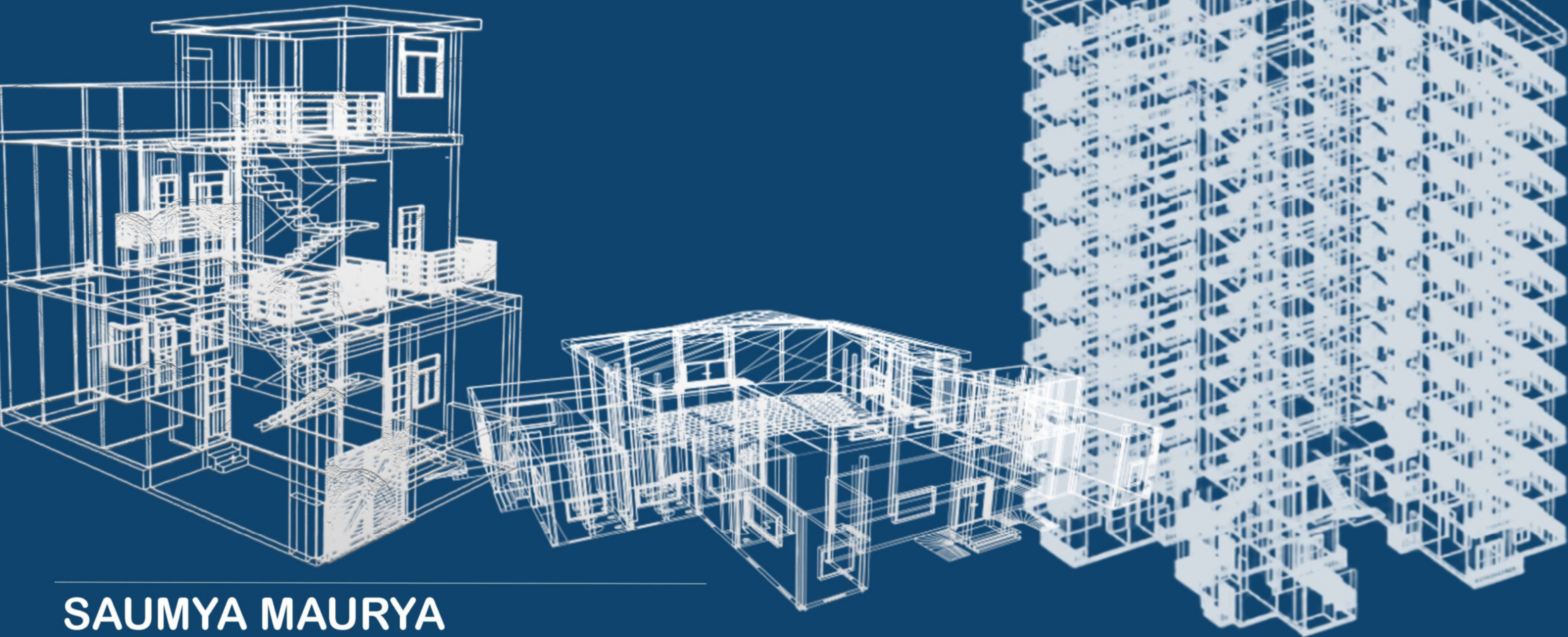


# Portfolio.

Architecture | 2025



SAUMYA MAURYA





# SAUMYA MAURYA

## FOURTH YEAR ARCHITECTURE STUDENT

I'm a 4th-year student at the Faculty Of Architecture And Planning, eager to learn and grow through hands-on experience. I'm excited to share my internship portfolio and would be grateful for the opportunity to contribute meaningfully to your work. Looking forward to the possibility of working and learning under your guidance.



06 JUNE 2006



6307248831



KHURRAM NAGAR  
LUCKNOW



saumyamaurya5528@gmail.com

## EDUCATION

### BACHELORS

2022-27  
FACULTY OF ARCHITECTURE AND PLANNING (AKTU)  
LUCKNOW

### HIGH SCHOOL

2020  
GOLDEN FLOWER PUBLIC SCHOOL  
PALIA KALAN (KHERI)

### INTERMEDIATE

2022  
JAIPURIA BANSAL CAMPUS  
LUCKNOW

## PERSONAL SKILLS

SKETCHING  
LEADERSHIP  
SINGING  
DANCING  
READING  
MANAGEMENT

## SOFTWARE SKILLS



AUTOCAD



RAYON



D5



LUMION



PHOTOSHOP

## DESIGN PROJECTS

### FIRST YEAR (SEMESTER 1-2)

PRODUCT ANALYSIS  
ORDERING PRINCIPLES  
POSITIVE AND NEGATIVE SPACE  
FORM TRANSFORMATION  
ANTHROPOMETRY  
MONOCELLULAR UNIT  
SHOP IN A TRAIN COACH

### SECOND YEAR (SEMESTER 3-4)

HALL/HEAVEN EXPERIENTIAL EXERCISE  
RETREAT  
SPIRITUAL CENTER  
CLIMATE RESPONSIVE SCHOOL  
RESORT  
THIRD YEAR (SEMESTER 5-6)  
KIOSK  
MULTI-PURPOSE HALL  
AUDITORIUM  
ROW HOUSING  
GROUP HOUSING

### PARTICIPATION AND WORKSHOP

SANGARH-IN-HOUSE (ARCHITECTURAL  
EXHIBITION  
MITHILA (MADHUBAN) ART WORKSHOP  
CARPENTRY JOINTS WORKSHOP  
ARCHITECTURAL NARRATIVE AND  
EXPERIENCE DESIGN

## HOBBIES

DESIGNING  
SKETCHING  
COOKING  
DANCING  
SINGING

## LANGUAGES

HINDI  
ENGLISH



# CONTENTS



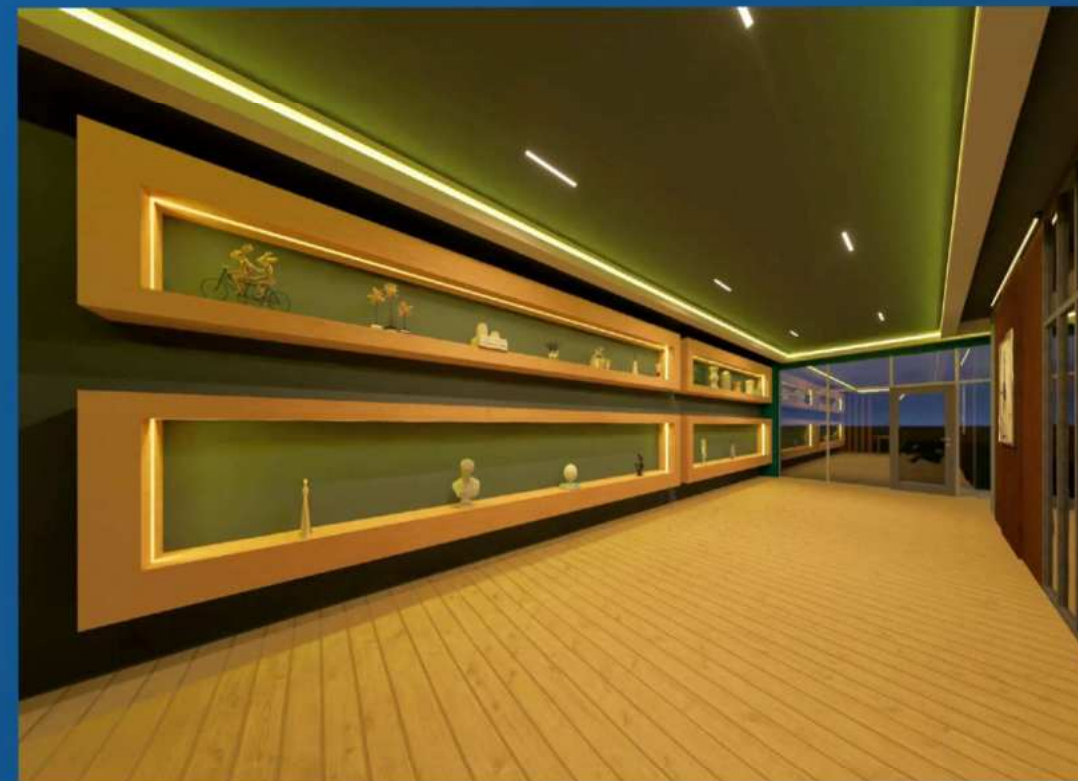
HAPRDS VIRIDIAN



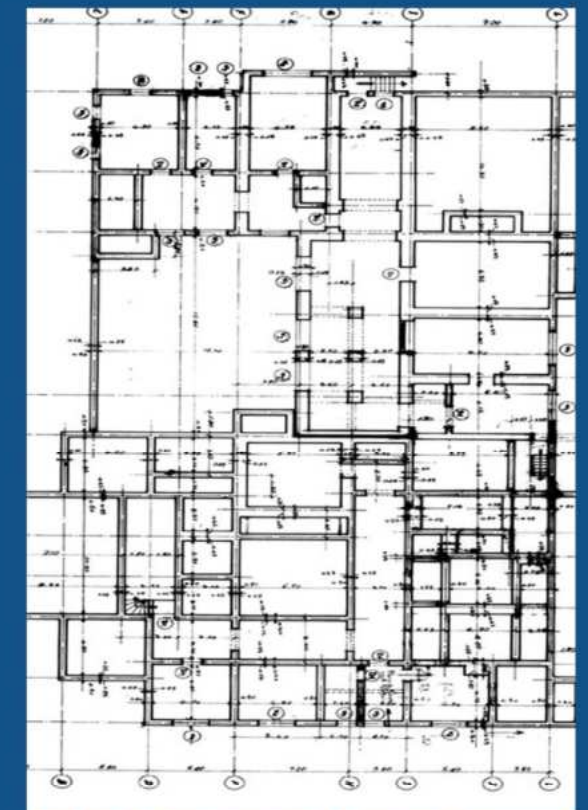
HAPRDS ENCLAVE



SYMPHONY HALL



INTERIOR OF ART  
GALLERY



WORKING  
DRAWING



# GROUP HOUSING

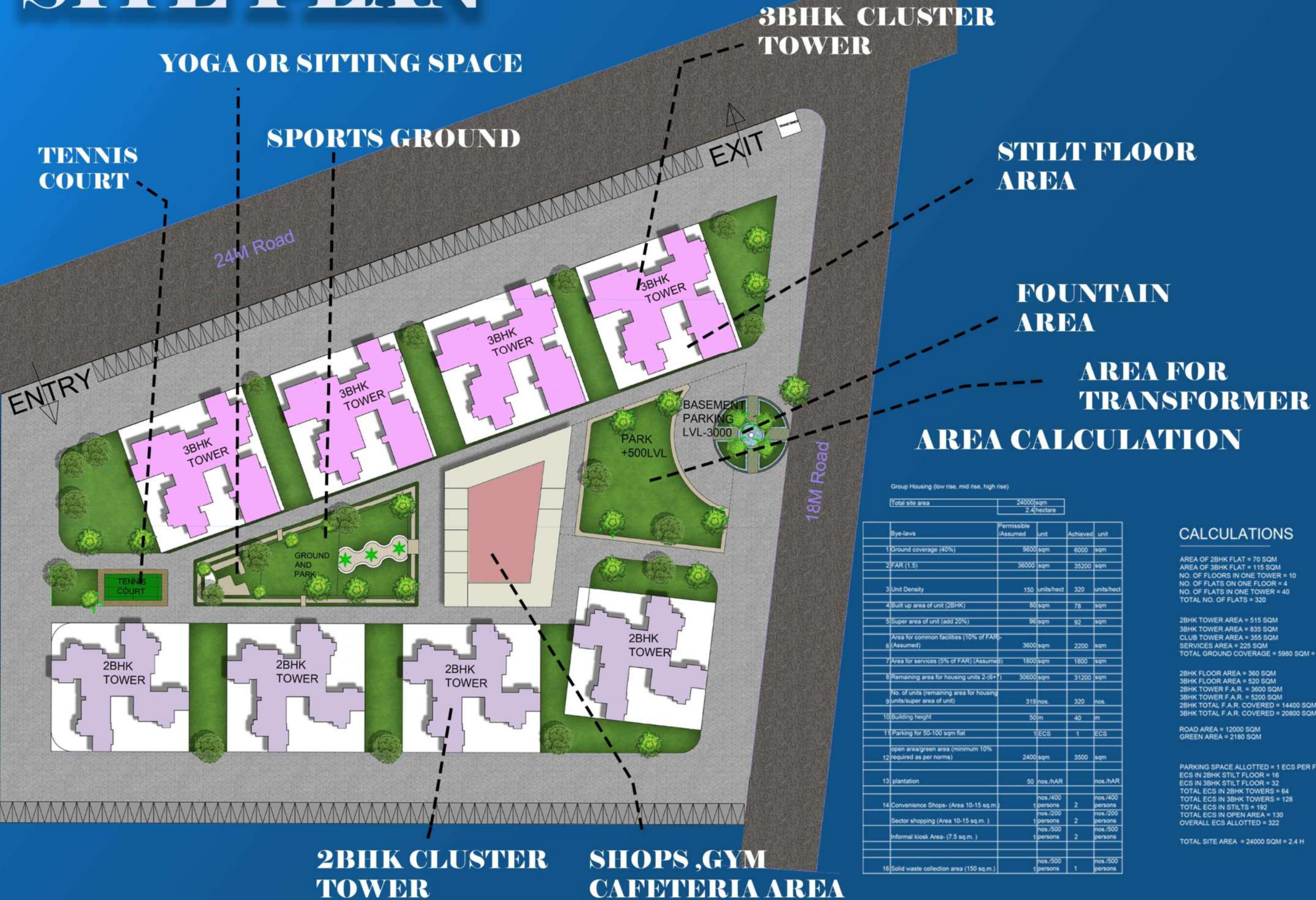
**HAPRDS VIRIDIAN**, envisioned as a premium group housing , includes 2bhk and 3bhk units designed for ultimate ease and well-being. It focuses on smart space utilization, ensuring every area serves a purpose, alongside a range of top-tier facilities. The goal is to create a refined community emphasizing comfortable living and a tasteful way of life for its residents.

# HAPRDS VIRIDIAN

RENDERING SOURCE-D5  
MODELING-SKETCHUP  
DRAWING- AUTOCAD



# SITE PLAN



Group Housing (low rise, mid rise, high rise)				
Total site area		24000 sqm	2.4 hectare	
Bye-laws	Permissible (Assumed)	unit	Achieved	unit
1 Ground coverage (40%)	9600 sqm	6000	sqm	
2 FAR (1.5)	36000 sqm	35200	sqm	
3 Unit Density	150 units/hect	320	units/hect	
4 Built up area of unit (2BHK)	80 sqm	78	sqm	
5 Super area of unit (add 20%)	96 sqm	92	sqm	
6 Area for common facilities (10% of FAR) (Assumed)	3600 sqm	2200	sqm	
7 Area for services (5% of FAR) (Assumed)	1800 sqm	1800	sqm	
8 Remaining area for housing units 2-(6+7)	30600 sqm	31200	sqm	
No. of units (remaining area for housing units/super area of unit)	319 nos.	320	nos.	
10 Building height	50m	40	m	
11 Parking for 50-100 sqm flat	1 ECS	1	ECS	
12 open area/green area (minimum 10% required as per norms)	2400 sqm	3500	sqm	
13 plantation	50 nos./hAR		nos./hAR	
14 Convenience Shops- (Area 10-15 sq.m.)	nos./400 persons	2	nos./400 persons	
Sector shopping (Area 10-15 sq.m.)	nos./200 persons	2	nos./200 persons	
Informal kiosk Area- (7.5 sq.m.)	nos./500 persons	2	nos./500 persons	
16 Solid waste collection area (150 sq.m.)	nos./500 persons	1	nos./500 persons	

**CALCULATIONS**

AREA OF 2BHK FLAT = 70 SQM  
AREA OF 3BHK FLAT = 115 SQM  
NO. OF FLOORS IN ONE TOWER = 10  
NO. OF FLATS ON ONE FLOOR = 4  
NO. OF FLATS IN ONE TOWER = 40  
TOTAL NO. OF FLATS = 320

2BHK TOWER AREA = 515 SQM  
3BHK TOWER AREA = 835 SQM  
CLUB TOWER AREA = 355 SQM  
SERVICES AREA = 225 SQM  
TOTAL GROUND COVERAGE = 5980 SQM = 25%

2BHK FLOOR AREA = 360 SQM  
3BHK FLOOR AREA = 520 SQM  
2BHK TOWER F.A.R. = 3600 SQM  
3BHK TOWER F.A.R. = 5200 SQM  
2BHK TOTAL F.A.R. COVERED = 14400 SQM  
3BHK TOTAL F.A.R. COVERED = 20800 SQM

ROAD AREA = 12000 SQM  
GREEN AREA = 2180 SQM

PARKING SPACE ALLOTTED = 1 ECS PER FLAT  
ECS IN 2BHK STILT FLOOR = 16  
ECS IN 3BHK STILT FLOOR = 32  
TOTAL ECS IN 2BHK TOWERS = 64  
TOTAL ECS IN 3BHK TOWERS = 128  
TOTAL ECS IN STILTS = 192  
TOTAL ECS IN OPEN AREA = 130  
OVERALL ECS ALLOTTED = 322

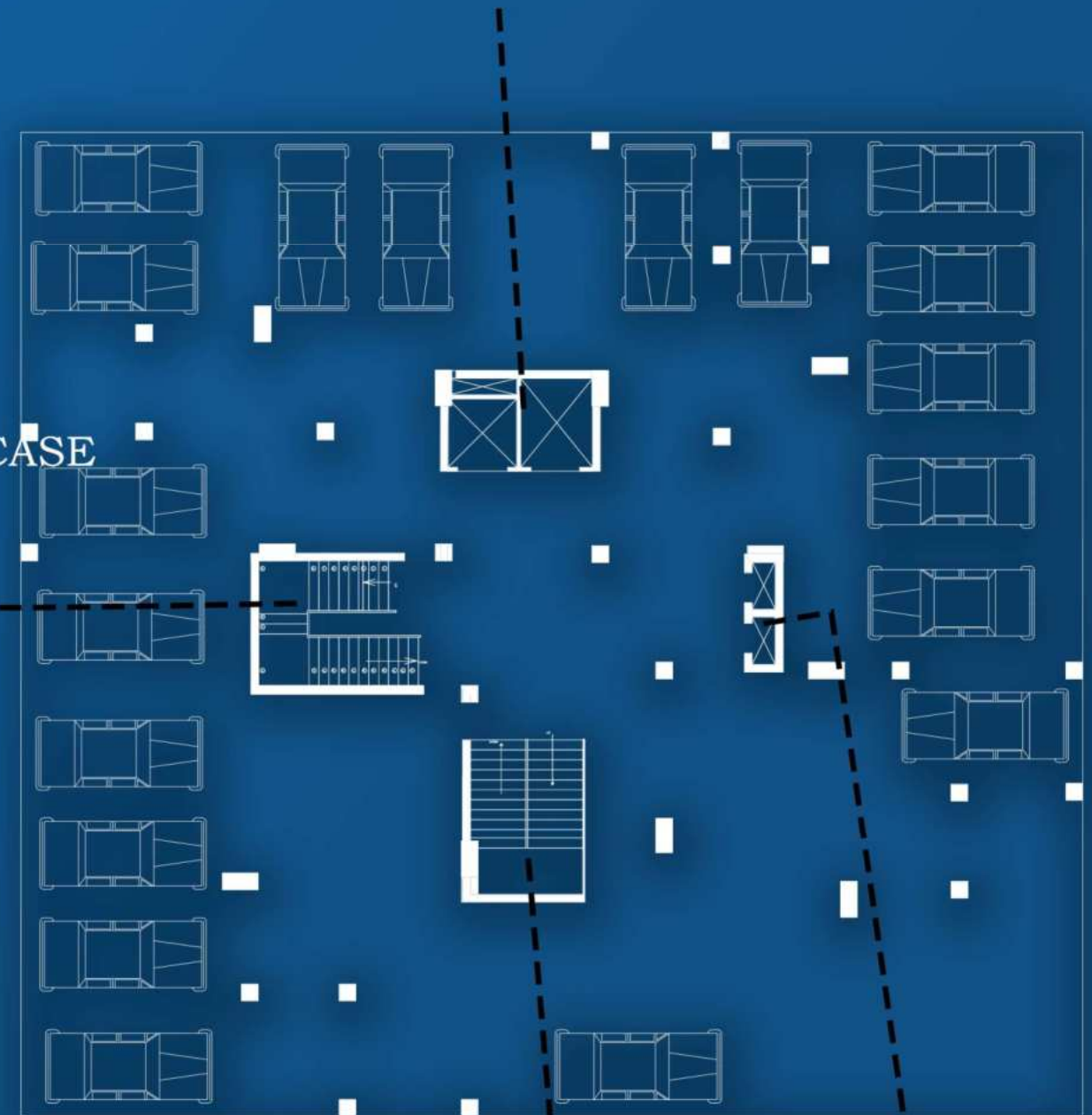
TOTAL SITE AREA = 24000 SQM = 2.4 H



# CLUSTER PLAN OF 2BHK UNIT PLANS AND STILT FLOOR PLAN



## BUILDING STAIRCASE



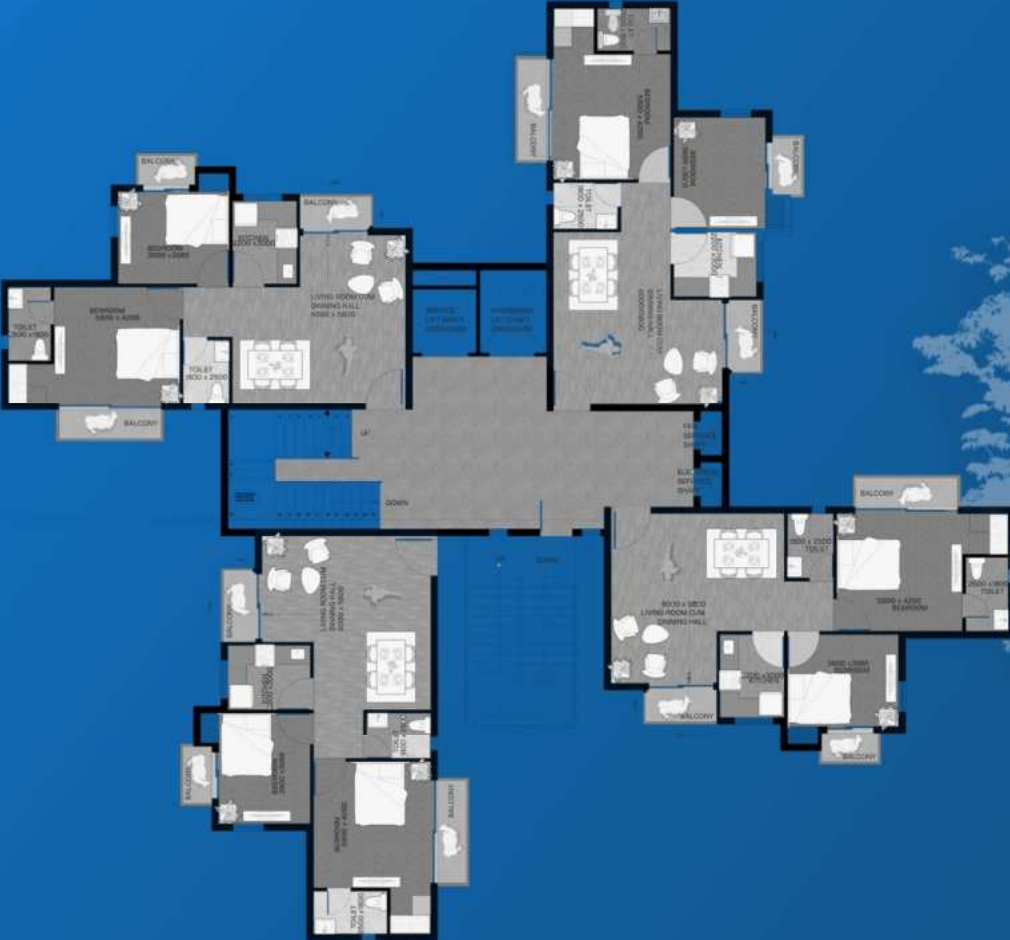
LIFT AREA  
FOR PASSENGER  
AND SERVICE

## FIR STAIRCASE

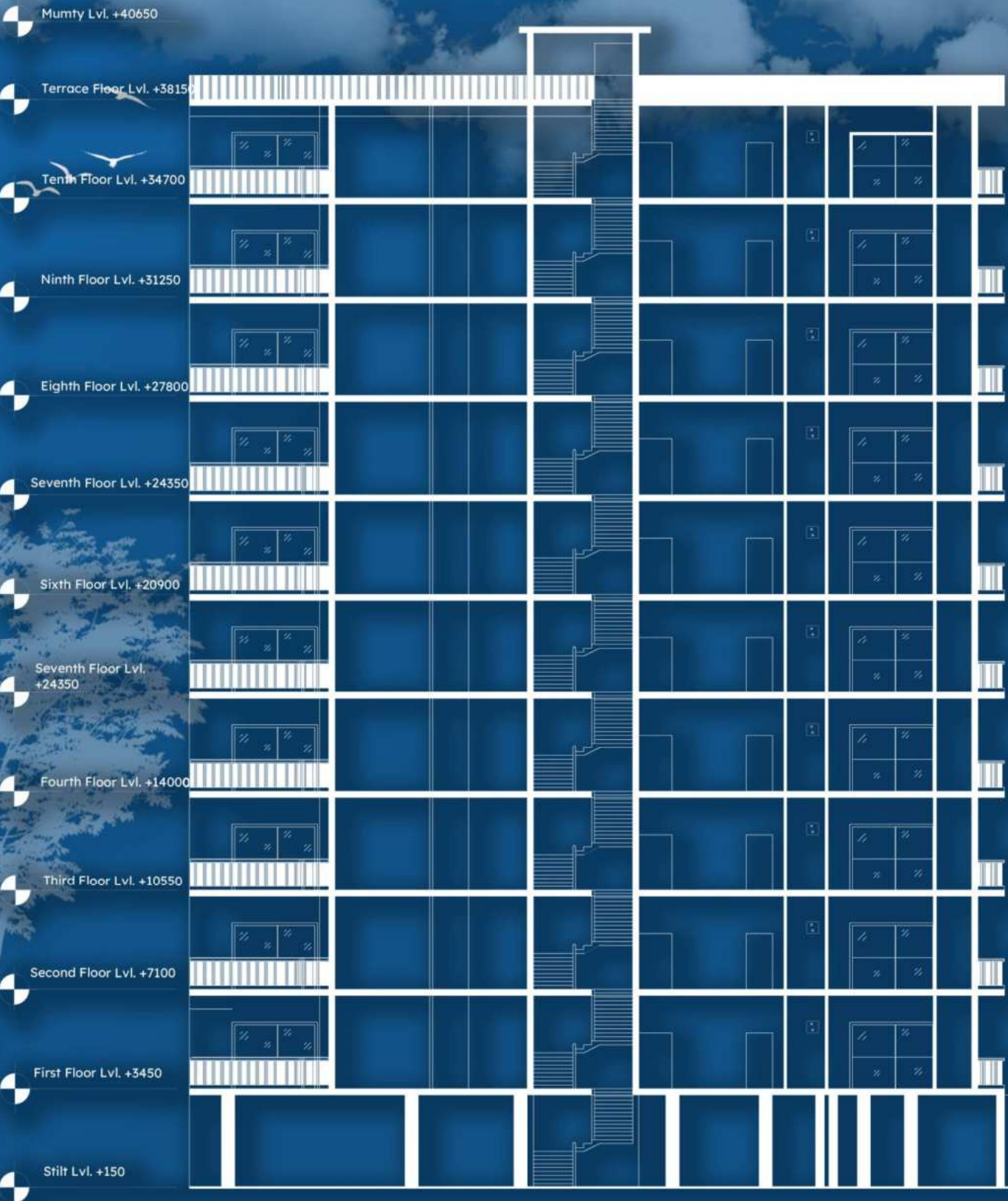
## ELCTRICAL AND FIRE SAFETY SHAFTS



# SECTION OF 2 BHK CLUSTER



KEY PLAN OF  
CLUSTER PLAN  
OF 2BHK  
UNIT PLANS



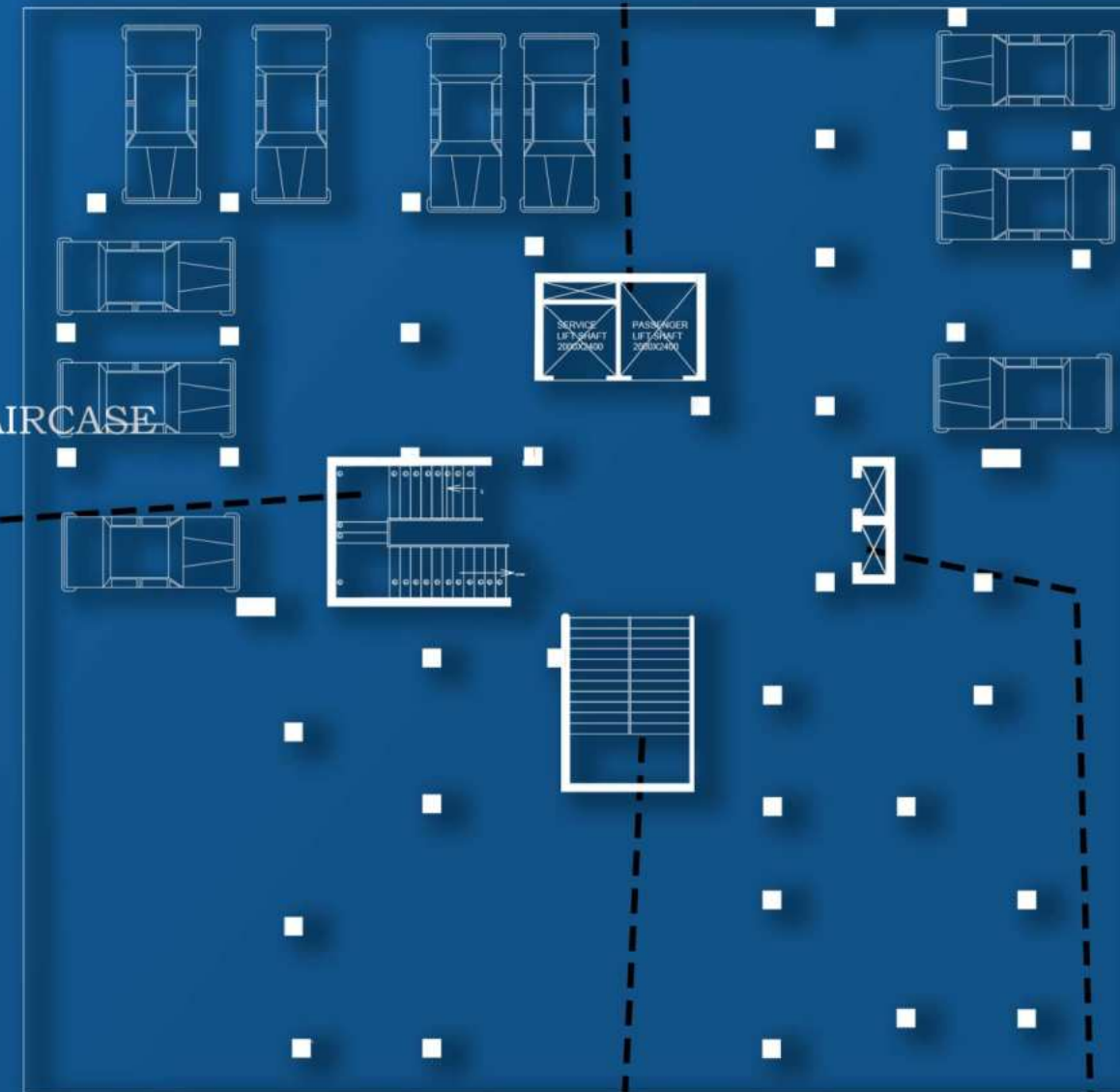


# CLUSTER PLAN OF 3BHK UNIT PLANS AND STILT FLOOR PLAN



BUILDING STAIRCASE

LIFT AREA  
FOR PASSENGER  
AND SERVICE

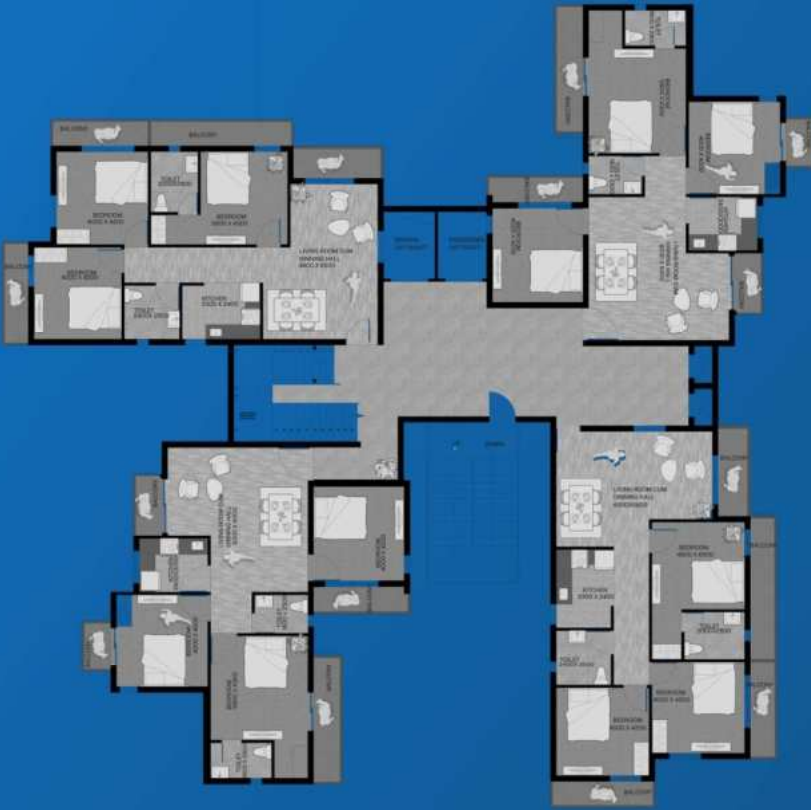


FIR STAIRCASE

ELCTRICAL AND  
FIRE SAFETY  
SHAFTS



# SECTION OF 3BHK CLUSTER



KEY PLAN OF  
CLUSTER PLAN  
OF 3BHK  
UNIT PLANS



Mumty Lvl. +40650

Terrace Floor Lvl. +38150

Tenth Floor Lvl. +34700

Ninth Floor Lvl. +31250

Eighth Floor Lvl. +27800

Seventh Floor Lvl. +24350

Sixth Floor Lvl. +20900

Seventh Floor Lvl.  
+24350

Fourth Floor Lvl. +14000

Third Floor Lvl. +10550

Second Floor Lvl. +7100

First Floor Lvl. +3450

Stilt Lvl. +150



# VIEWS OF SITE



**PARK FRONT VIEW  
OF PARK**



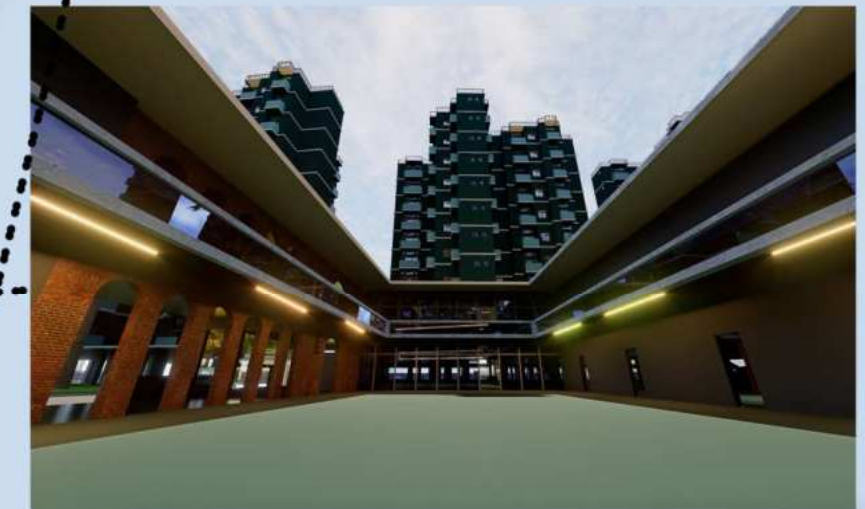
**FIRE STAIR CASE VIEW IN CLUSTER**



**FRONT VIEW OF 3BHK CLUSTER**



**VIEW FROM MAIN ENTRANCE**



**RECREATIONAL AREAS VIEW**



**COLLECTIVE VIEW OF ELEMENTS**



**FRONT VIEW OF 2BHK CLUSTER**



**CAFETERIA VIEW**



**BALCONY VIEWS**



# HAPRDS ENCLAVE



EXERCISE-A PLOT OF 2.4 ACRES WAS PROVIDED TO DESIGN A ROW HOUSING NAMES (HAPRDS ENCLAVE)WHICH INCLUDES ALL AMENITIES AAND REQUIREMENTS WITH PROPER CIRCULATION AND SPACEIAL FEATURES

PLANNING-AUTOAD  
MODELING -SKETCHUP  
RENDER-D5



# SITE PLAN OF ROW HOUSING

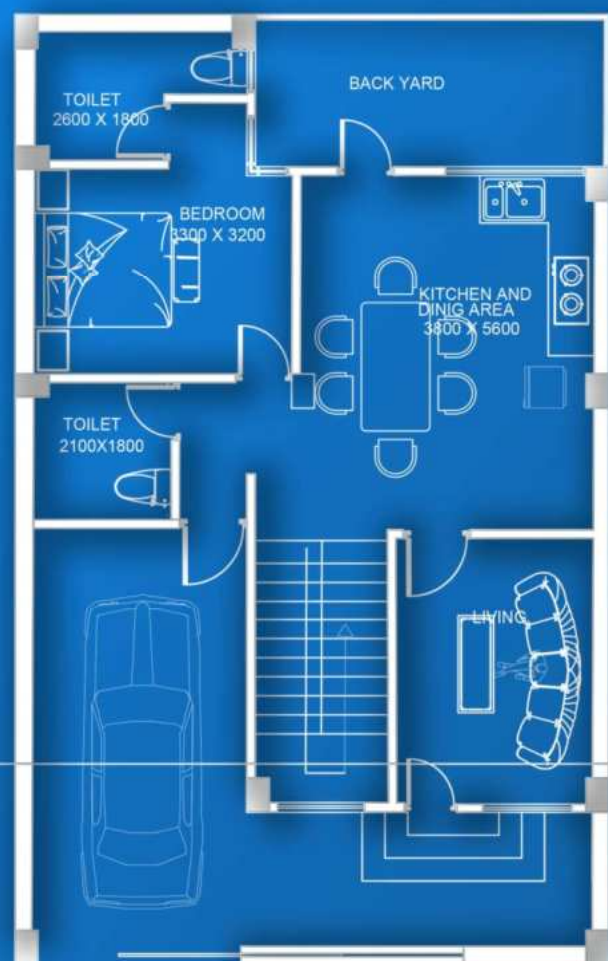
ROW HOUSING AREA CALCULATIONS

S.No.	Bylaws	Type 1		Type 2		Type 3	
		Permissible	Achieved	Permissible	Achieved	Permissible	Achieved
1	Plot Area of Unit	100sqm	92sqm	120sqm	125sqm	150sqm	150sqm
2	Ground Coverage (65%)	65sqm	65sqm	78sqm	75sqm	96sqm	96sqm
3	FAR (1.75)	1.75	1.75	1.75	1.75	1.75	1.75
4	Unit Density	150/ha		50/ha			
5	Building Height	10.5m	10.5m	10.5m	10.5m	10.5m	10.5m
6	Area for Common Facilities(>5%)	>1200sqm		1200sqm			
7	Area for Services(>5%)	>1200sqm		1200sqm			
8	Area for Roads(>20%)	>4800sqm		5500sqm			
9	Open Areas (>10%)	>2400sqm					
10	Remaining Areas for Housing Units	13700sqm					
11	No. of Units	120					
12	Parking	1 ECS		1 ECS			
13	Plantation	50/ha		50/ha			

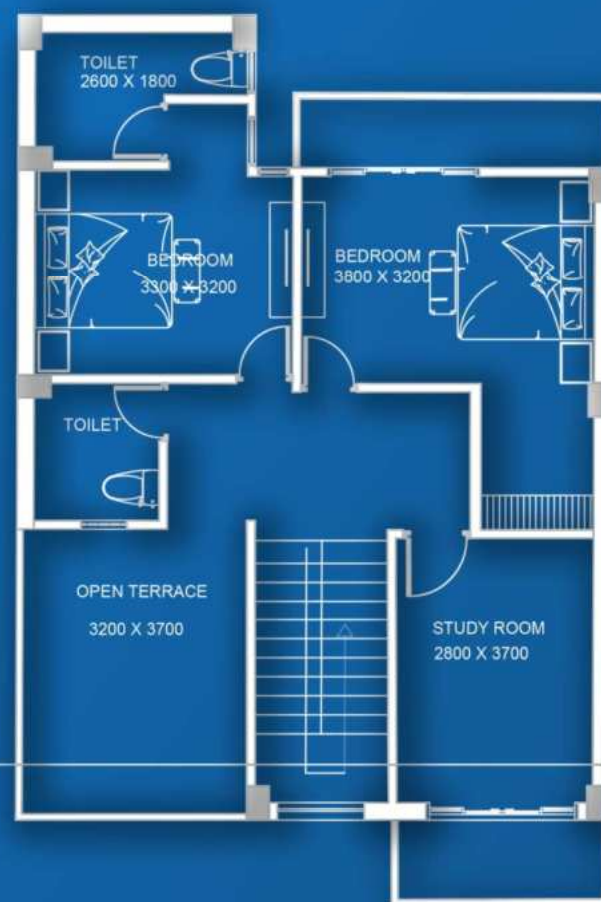




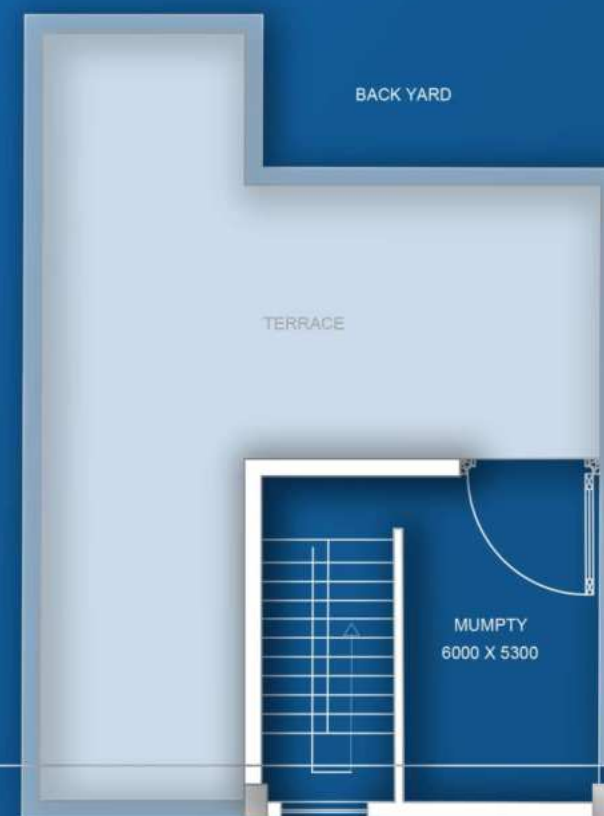
# TYPE 1 UNIT PLAN



GROUND FLOOR  
PLAN



FIRST FLOOR  
PLAN



TERRACE FLOOR  
PLAN

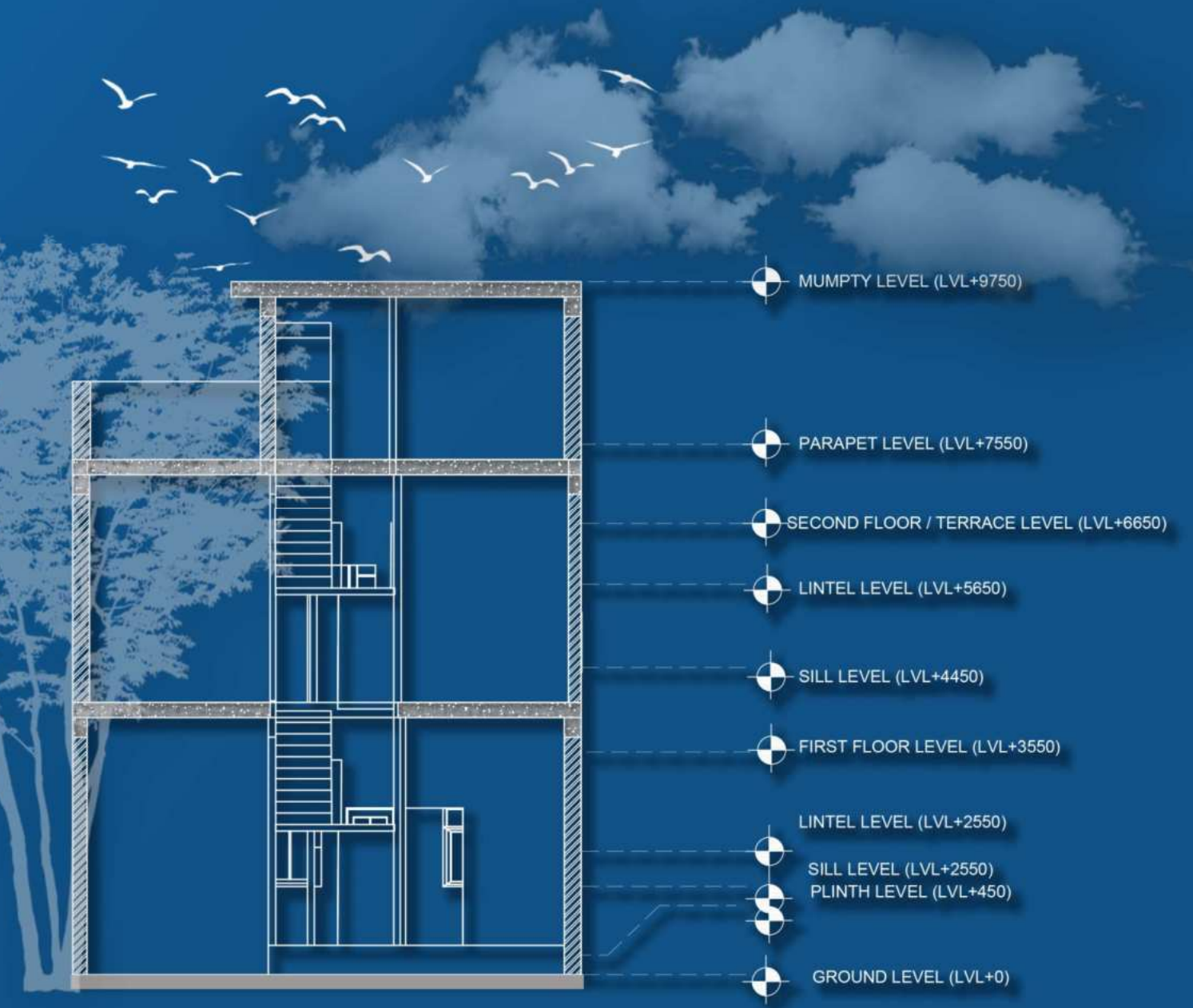




# SECTION AND ELEVATION OF TYPE I UNIT PLAN



ELEVATION

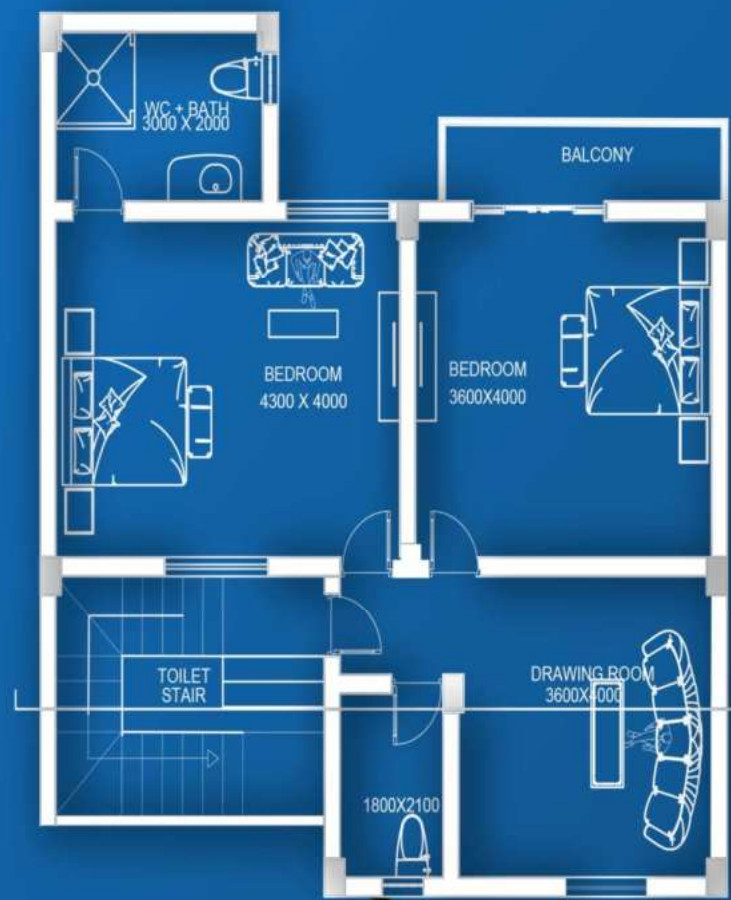


SECTION

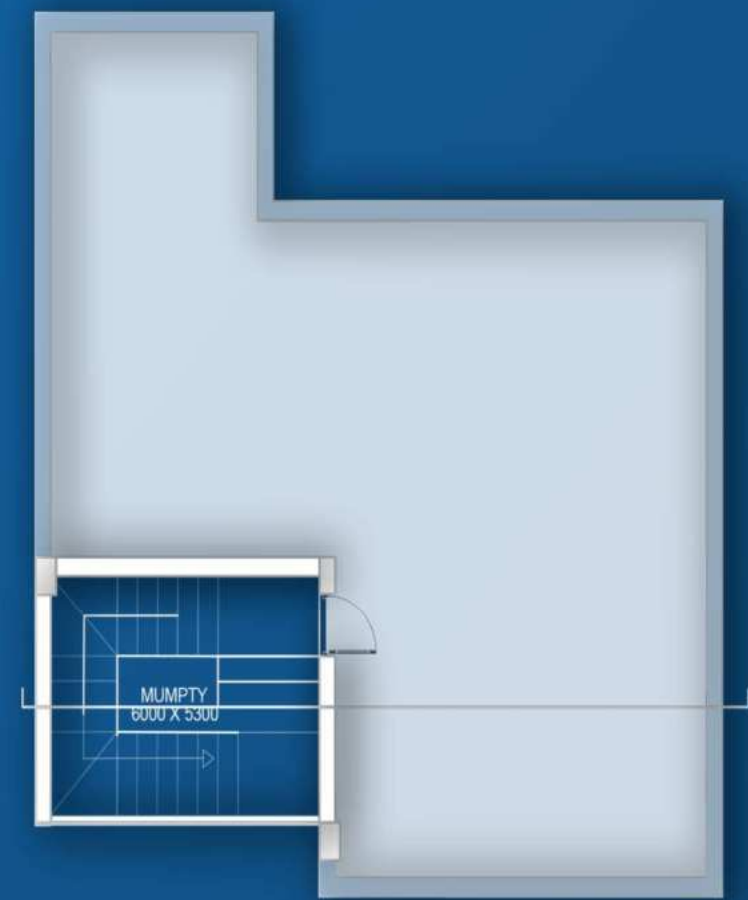




GROUND FLOOR PLAN



FIRST FLOOR PLAN



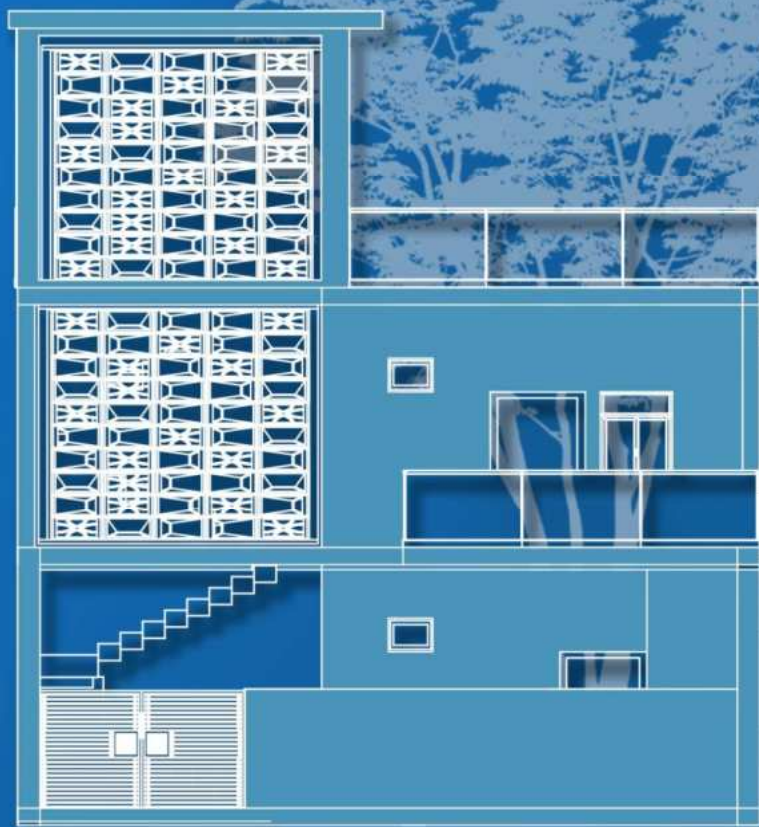
TERRACE FLOOR PLAN



TYPE 2 UNIT PLAN



# ELEVATION AND SECTION OF TYPE 2 UNIT PLANS



ELEVATION

- MUMPTY LEVEL (LVL+9750)
- PARAPET LEVEL (LVL+7550)
- SECOND FLOOR / TERRACE LEVEL (LVL+6650)
- LINTEL LEVEL (LVL+5650)
- SILL LEVEL (LVL+4450)
- FIRST FLOOR LEVEL (LVL+3550)
- LINTEL LEVEL (LVL+2550)
- SILL LEVEL (LVL+2550)  
PLINTH LEVEL (LVL+450)
- GROUND LEVEL (LVL+0)

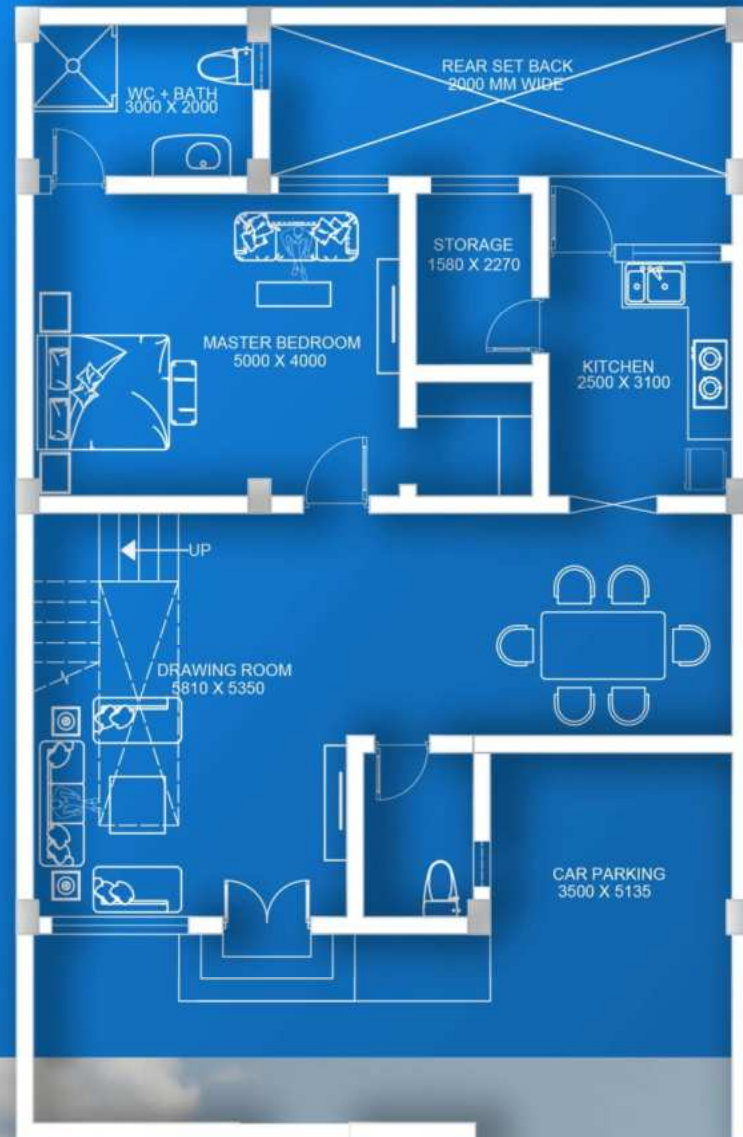


SECTION

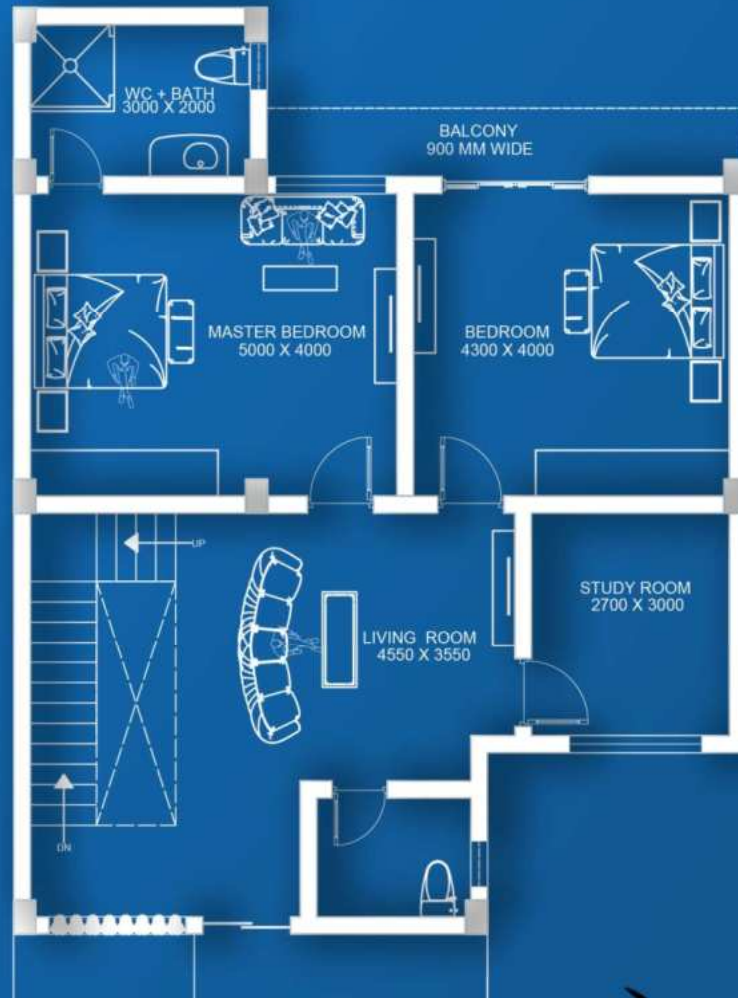
- MUMPTY LEVEL (LVL+9750)
- PARAPET LEVEL (LVL+7550)
- SECOND FLOOR / TERRACE LEVEL (LVL+6650)
- LINTEL LEVEL (LVL+5650)
- SILL LEVEL (LVL+4450)
- FIRST FLOOR LEVEL (LVL+3550)
- LINTEL LEVEL (LVL+2550)
- SILL LEVEL (LVL+2550)  
PLINTH LEVEL (LVL+450)
- GROUND LEVEL (LVL+0)



# TYPE 3 UNIT PLAN



GROUND FLOOR PLAN



FIRST FLOOR PLAN



TERRACE FLOOR PLAN





# ELEVATION AND SECTION OF TYPE 3 UNIT PLAN



ELEVATION

SECTION



# SITE VIEWS



CAFETERIA VIEW



PARK VIEW



VIEW OF BOUNDARY OF HOUSE



SHOP VIEW



ENTRANCE VIEW



# SYMPHONY HALL





# SITE PLAN OF AUDITORIUM



## SCHEDULES

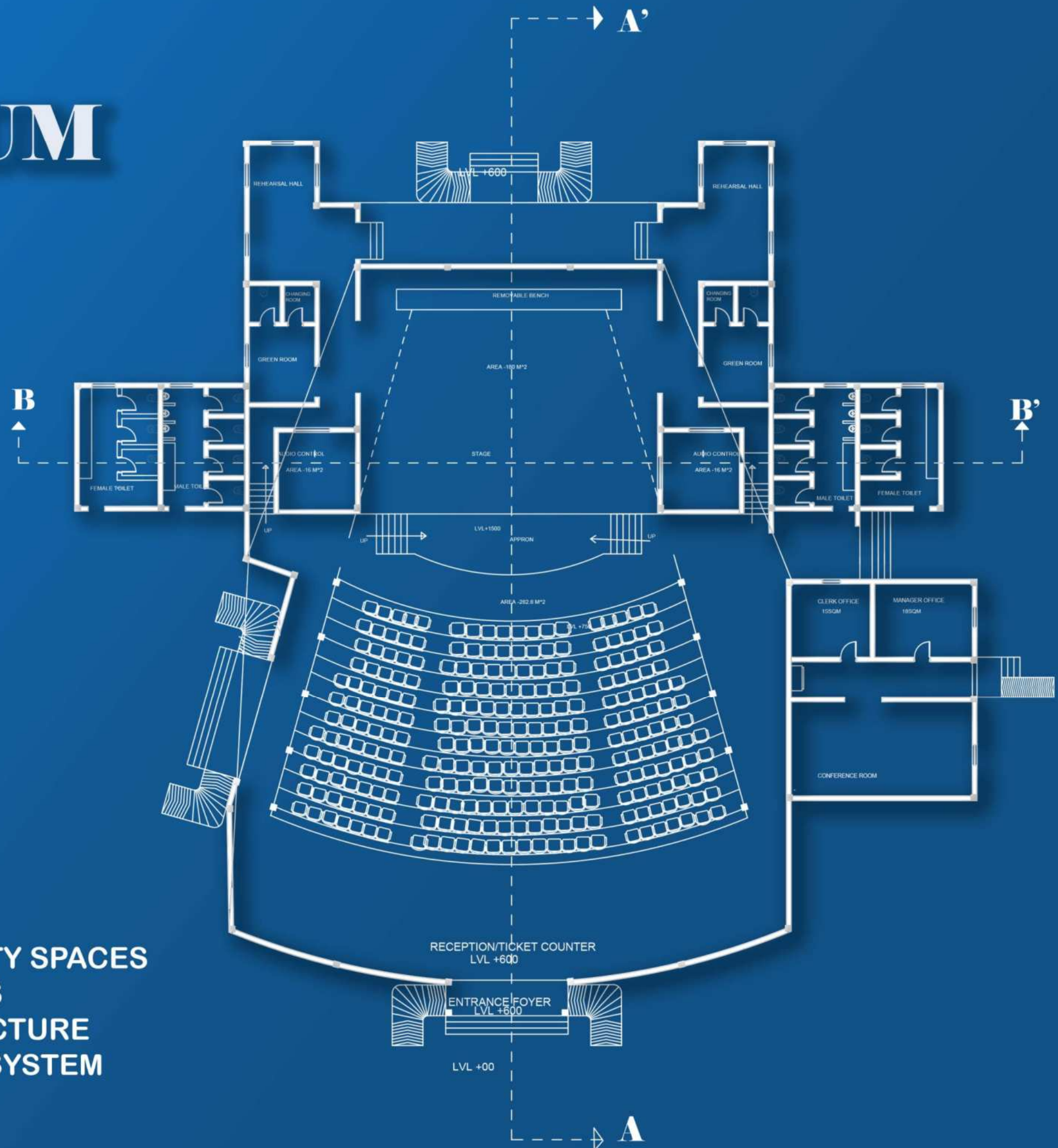
1. MAIN ENTRY
2. EXIT
3. PARKING
4. SECONDARY ENTRY
5. AUDITORIUM HALL



PLAN -AUTOCAD  
MODELING-SKETCHUP  
RENDER- LUMION



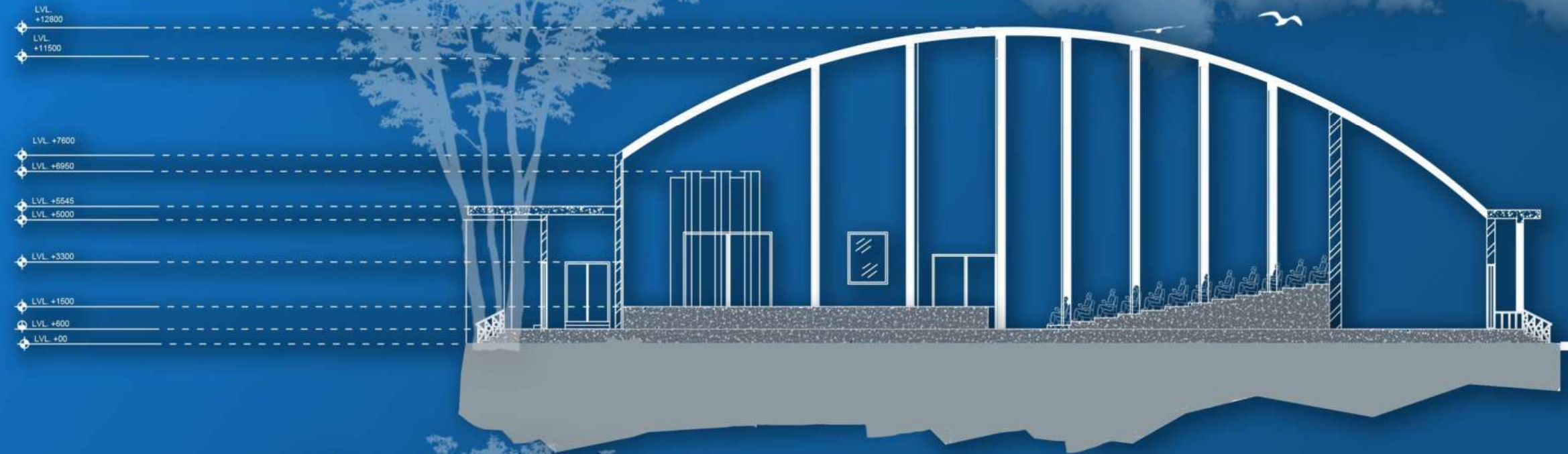
# AUDITORIUM PLAN



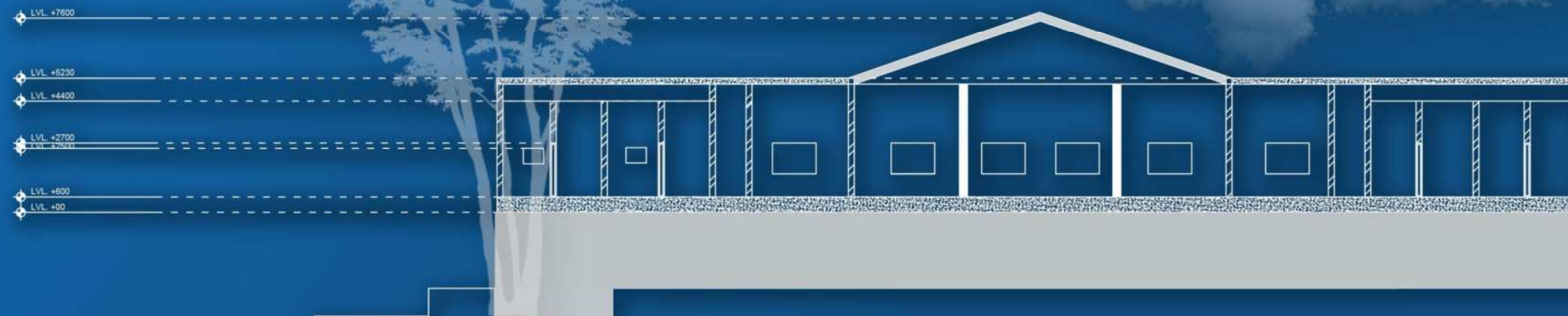
EXERCISE- DESIGN AN AUDITORIUM  
INCLUDING HALL AND OTHER ACTIVITY SPACES  
INCLUDING PARKING AND ROADWAYS  
CONDITION WAS TO MAKE THE STRUCTURE  
BASED ON ARCUATED STRUCTURAL SYSTEM



# SECTIONS OF AUDITORIUM

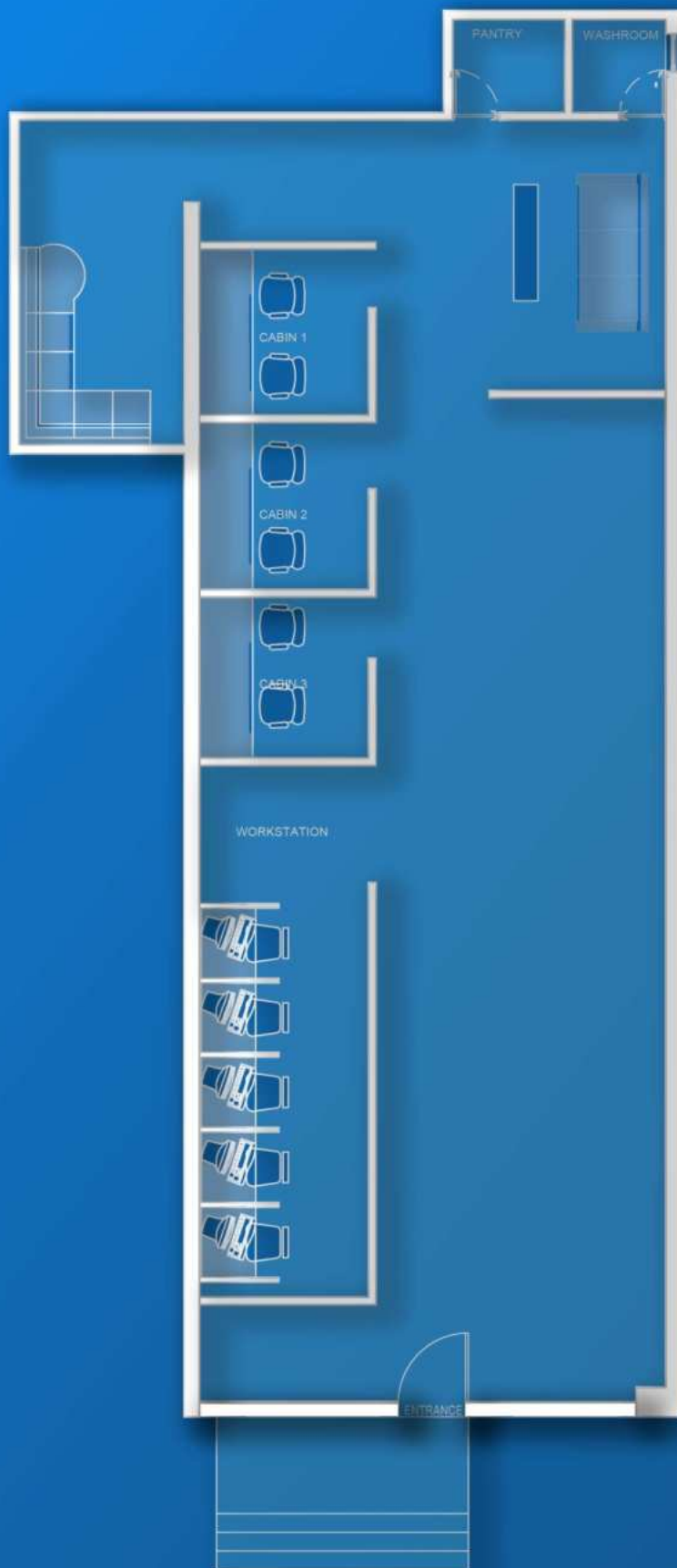


## SECTION AT AA'



## SECTION AT BB'





20,000 X 10,000



## MOOD BOARD MINIMALIST

### TONE



### TEXTURE

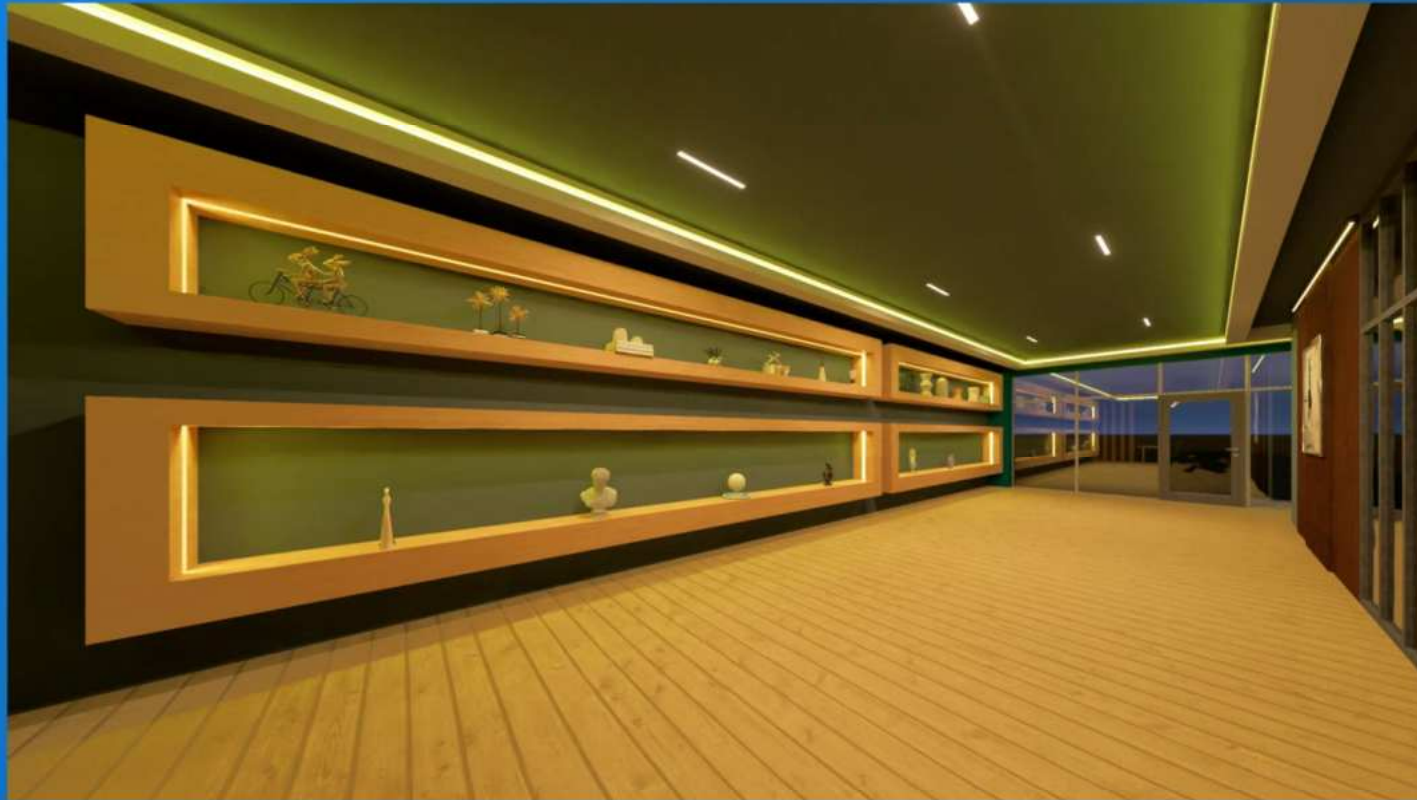


# OFFICE DESIGN CONCEPT & LAYOUT

SAUMYA MAURYA  
B.Arch. 3RD YR. (B) - 2024-25  
INTERIOR DESIGN (RAR-504)

FOAP, AKTU





# OFFICE DESIGN

INTERIOR  
RENDERS

SAUMYA MAURYA  
B.ARCH. 3RD YR. (B) - 2024-25  
INTERIOR DESIGN (RAR-504)

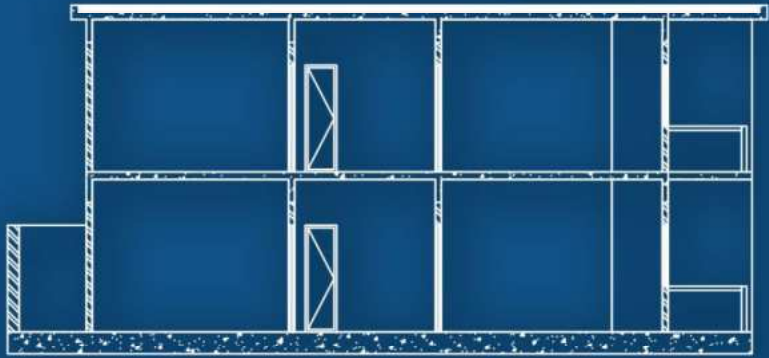
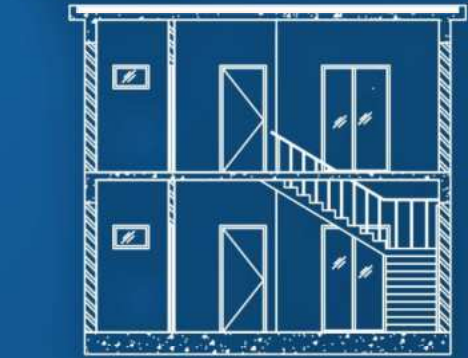
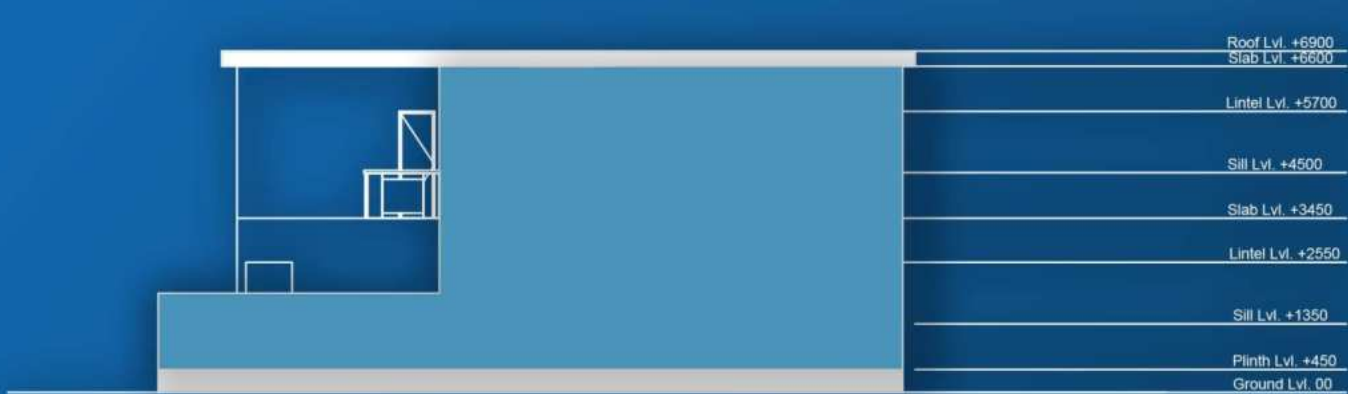
FOAP, AKTU



# WORKING DRAWING

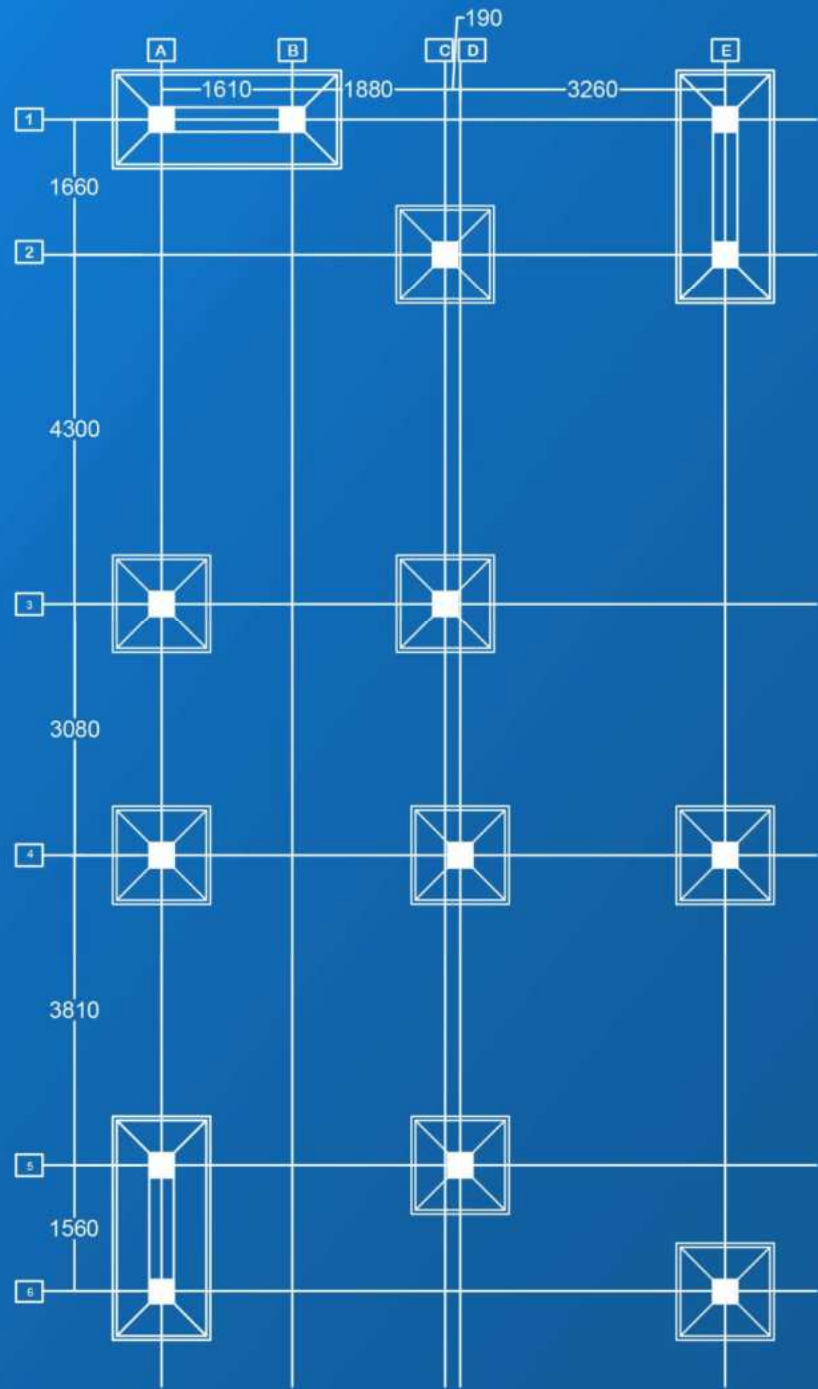


PLAN,  
SECTION  
& ELEVATION  
OF A RETREAT  
HOUSE

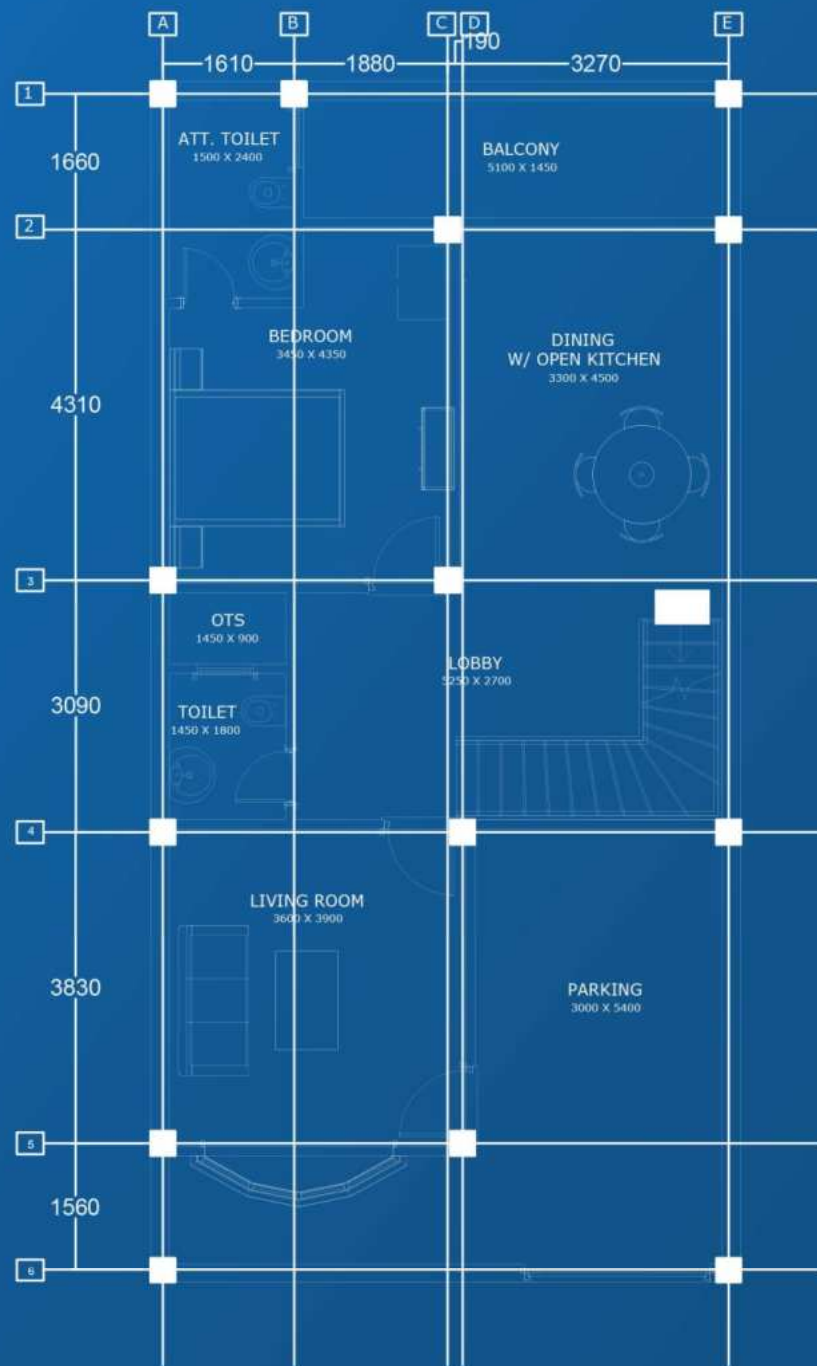




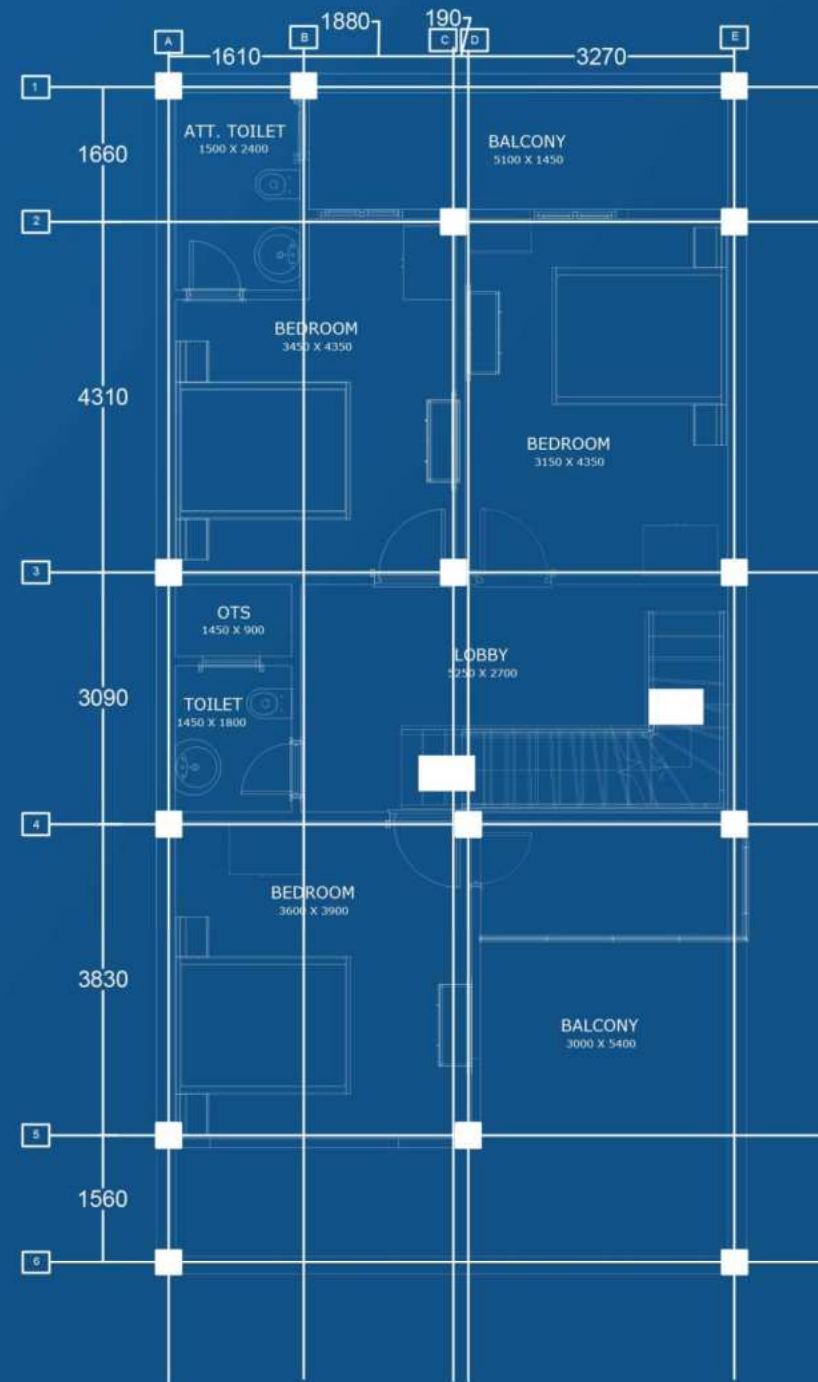
# COLUMN LAYOUT



FOOTINGS WITH COLUMN



CENTER LINE GROUND FLOOR PLAN

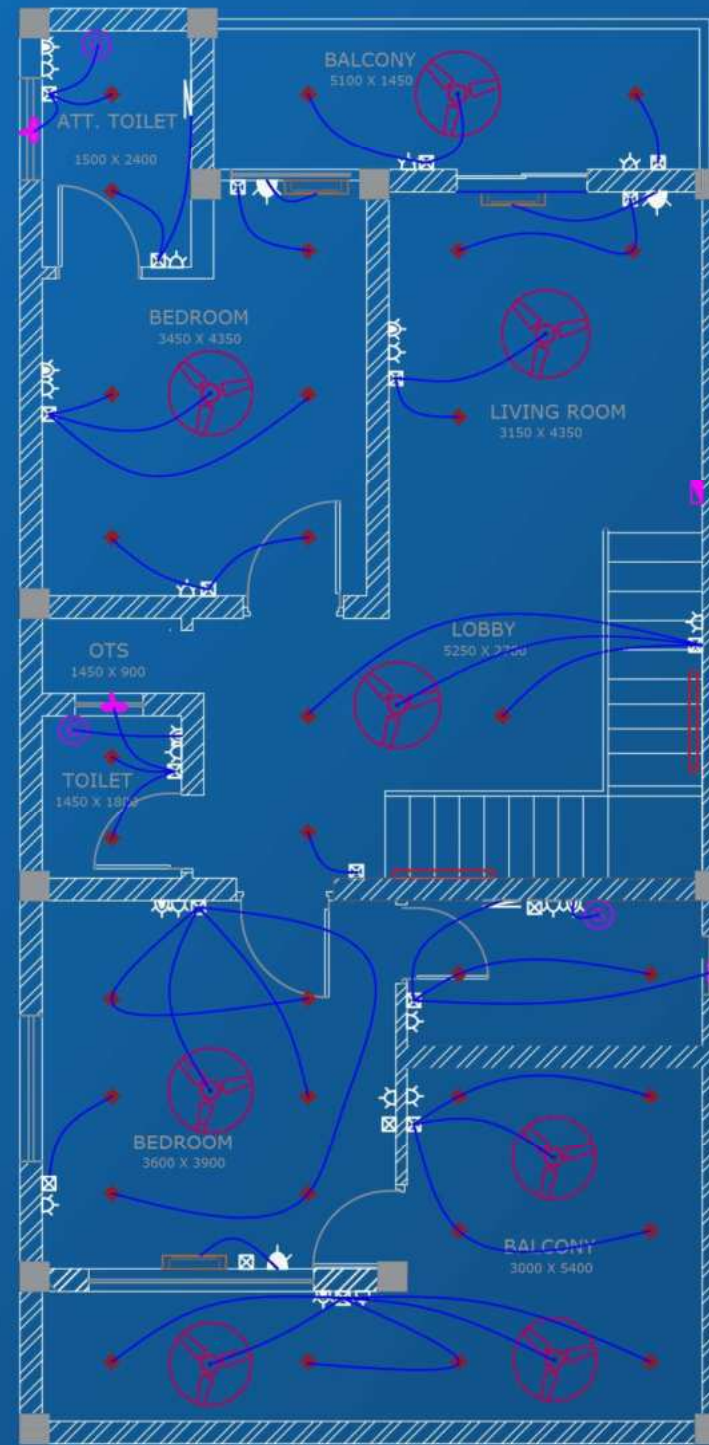
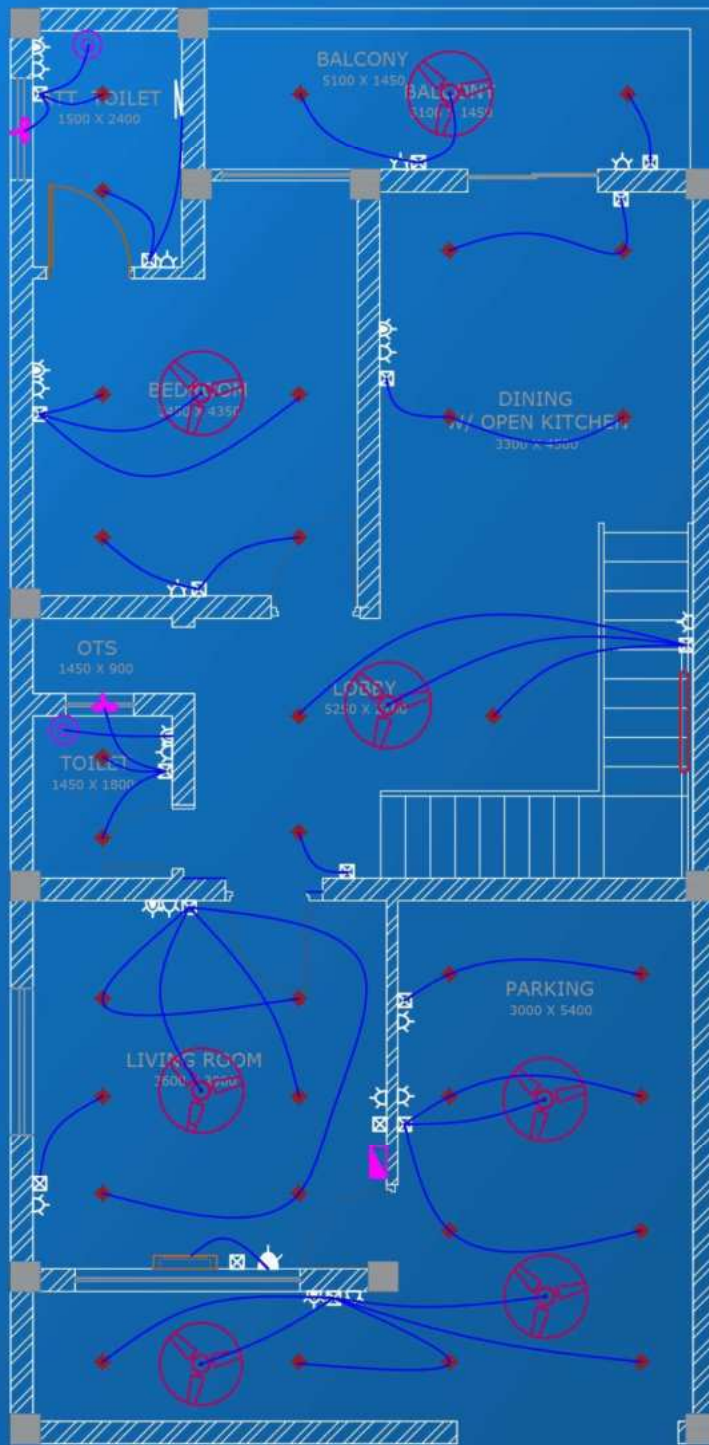


FIRST FLOOR COLUMN PLAN

FOOTING SCHEDULE			
F1	F2	F3	F4



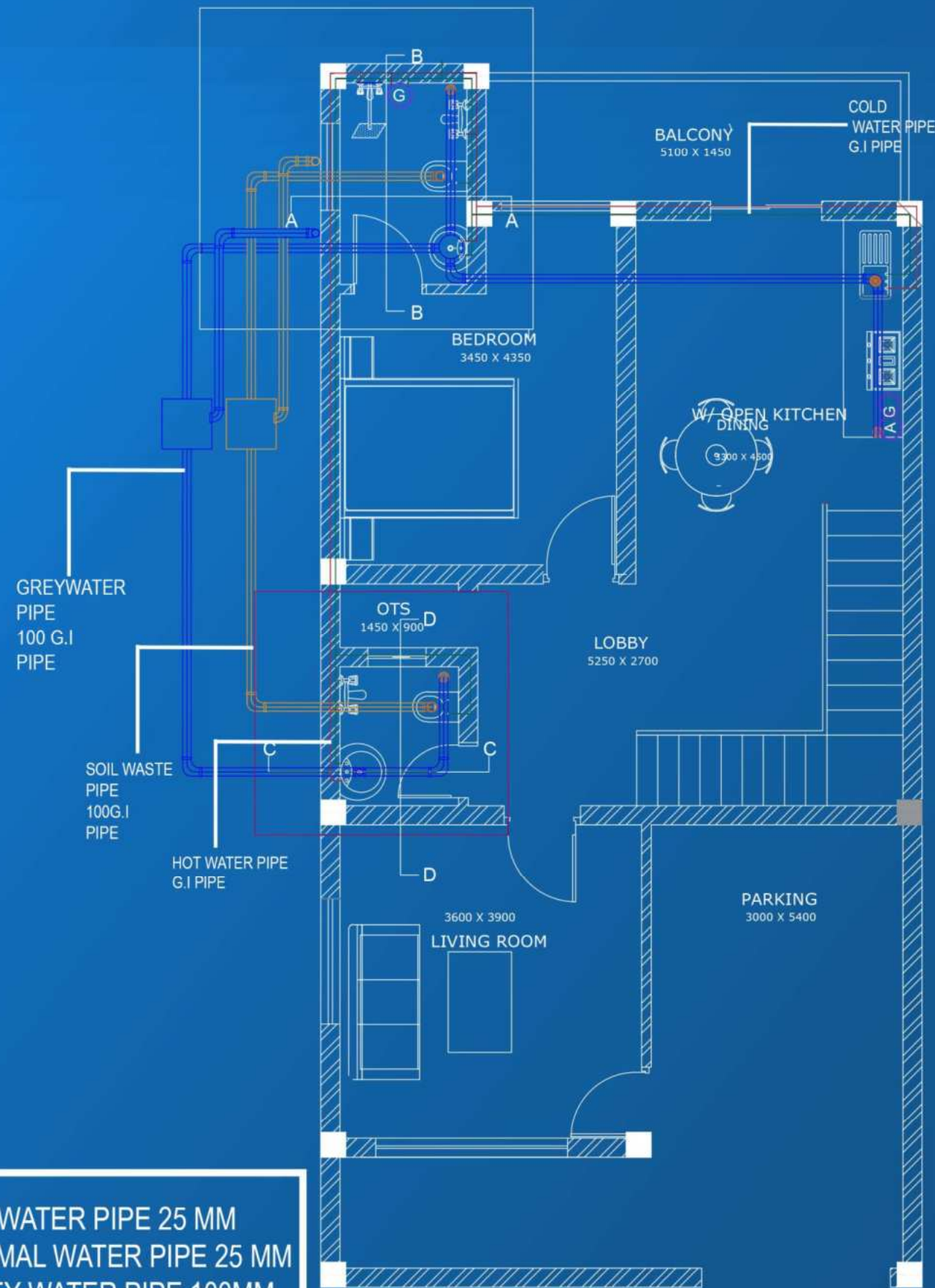
# ELECTRICAL DRAWING



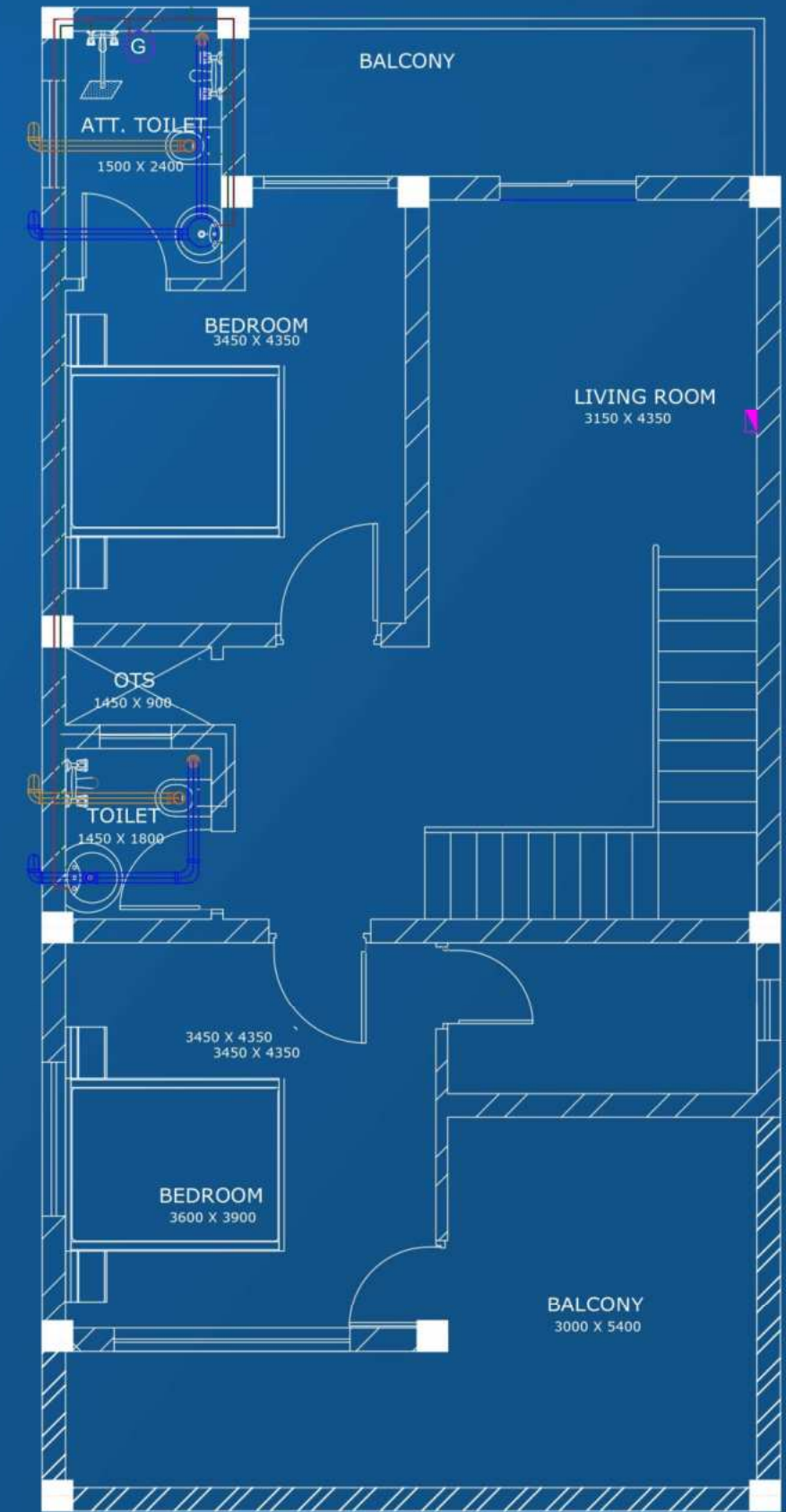
S. NO.	SYMBOL	DESCRIPTION	HT. FROM FLOOR
1		LIGHT POINT/ WALL BRACKET	2250 MM
2		CEILING LIGHT (SURFACE)	
3		MIRROR LIGHT	2000 MM
4		TUBE LIGHT (1x36w) ( SURFACE )	2250 MM
5		CEILING FAN	
6		CEILING FAN POINT ONLY	
7		EXHAUST FAN	
8		5 AMP PLUG POINT	1200 MM
9		POWER POINT (5 /15 AMP )	1200 MM
10		20 AMP.A. C. POINT	1200 MM
11		T.V. ANTENNA POINT	1200 MM
12		CALL BELL PUSH	1200 MM
13		A.C. UNIT (SPLIT)	2250 MM
14		SWITCH BOARD	1200 MM
15		DISTRIBUTION BOARD	1200 MM
16		INDICATES CONTROLLING OF LIGHT / FAN FROM SWITCH BOARD	
17		AQUA GUARD	1200 MM
18		GEYSER	1500 MM
19		STRIP LIGHT – 12V	
20		STRIP LIGHT CONNECTION	
21		FOOT LAMP	500 MM
22		FAN POINT/CANDELIER	



# PLUMBING PLAN



GROUND FLOOR PLAN

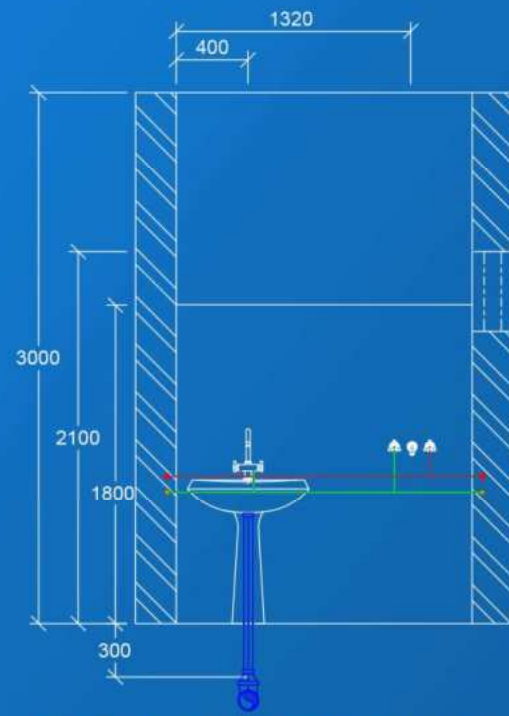


FIRST FLOOR PLAN

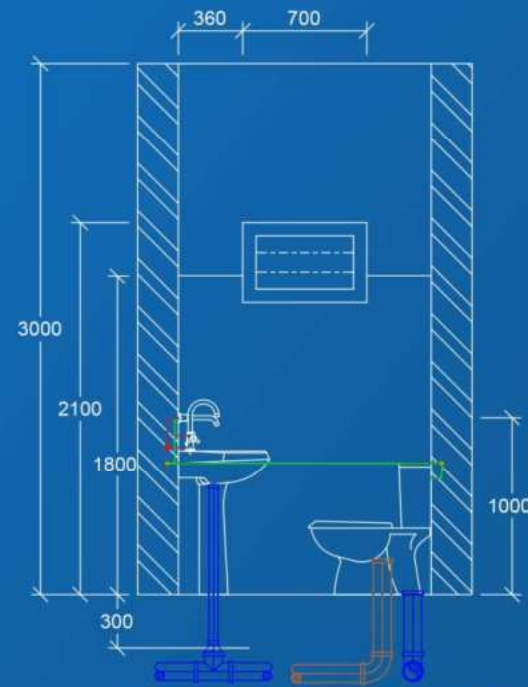
RED COLOR - HOT WATER PIPE 25 MM  
 GREEN COLOR- NORMAL WATER PIPE 25 MM  
 BLUE COLOR - GREY WATER PIPE 100MM  
 ORANGE COLOR- SOIL PIPE



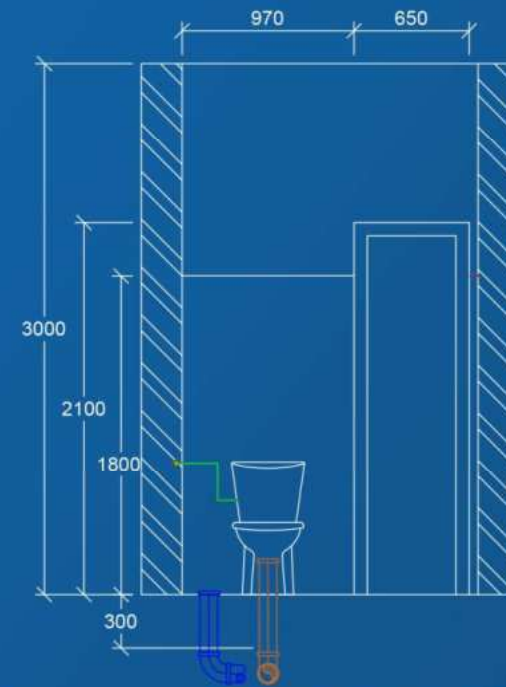
# PLUMBING SECTIONS



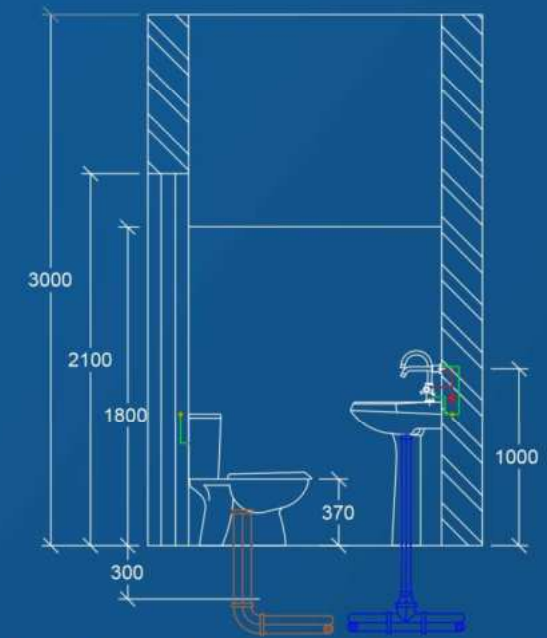
ELEVATIONAL SECTION - 1A



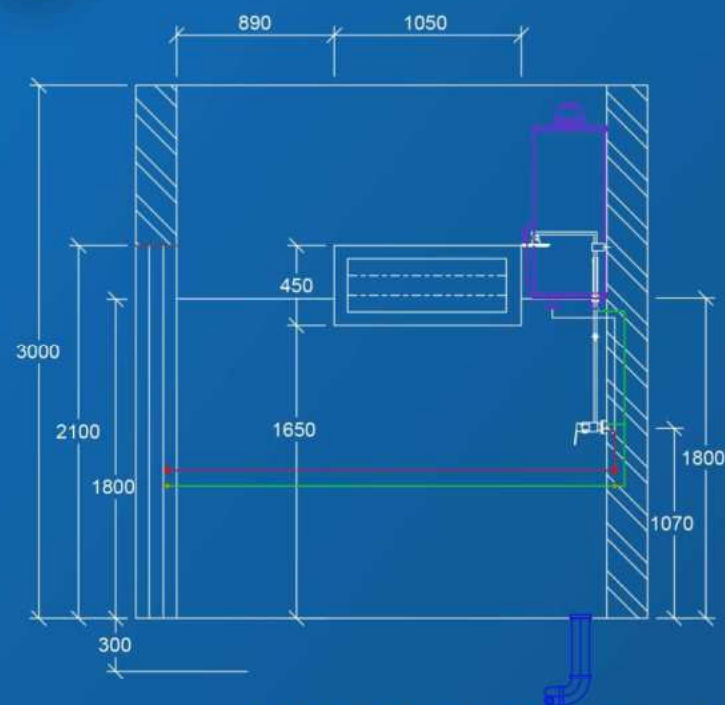
ELEVATIONAL SECTION- 1B



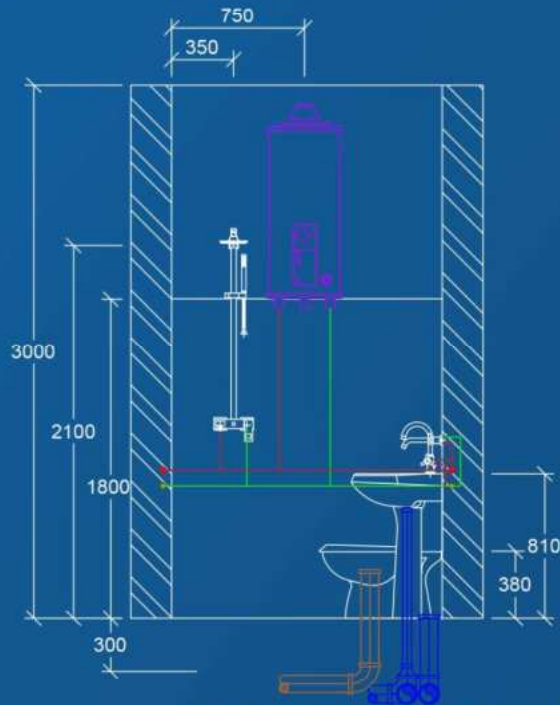
ELEVATIONAL SECTION - 1C



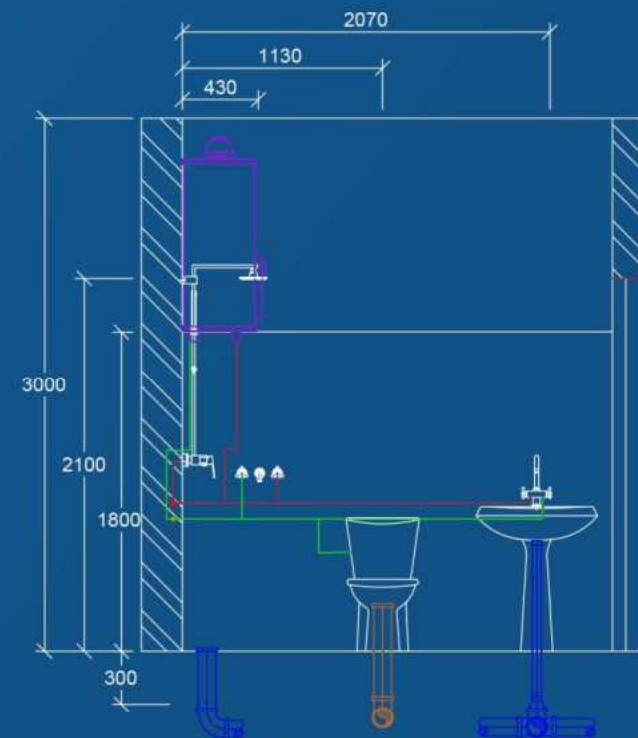
ELEVATIONAL SECTION - 1D



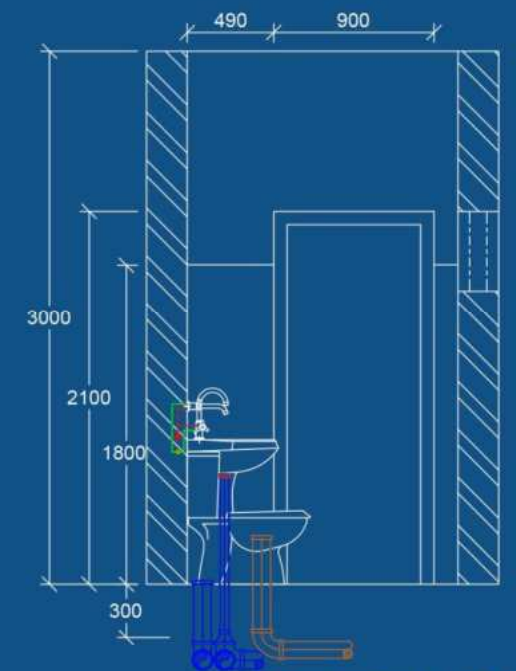
ELEVATIONAL SECTION - 2A



ELEVATIONAL SECTION - 2B



ELEVATIONAL SECTION - 2C



ELEVATIONAL SECTION - 2D





PLAN DOOR- D3



ELEVATION DOOR-D3  
FLUSH DOOR  
750X2100MM



SECTION BB'  
DOOR-D3



PLAN DOOR- D2



ELEVATION DOOR-D2  
FLUSH DOOR  
750X2100MM



PLAN OF DOOR- D2

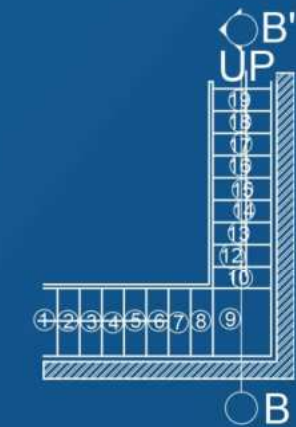


ELEVATION DOOR-D2

POCKET SLIDING DOOR  
1340X2100MM

FRAME= 50MM

GLASS GLAZING



STAIRCASE PLAN

NO. OF STAIRS=20

TREAD= 20

RISER= 21



STAIRCASE SECTION  
AA'

LVL+3900  
RAILING LVL.

LVL+3000  
FIRST LVL.  
RAILING LVL.

LVL+2400  
RAILING LVL.

LVL+1500  
LANDING LVL.

GROUND LVL+00

# DETAILS

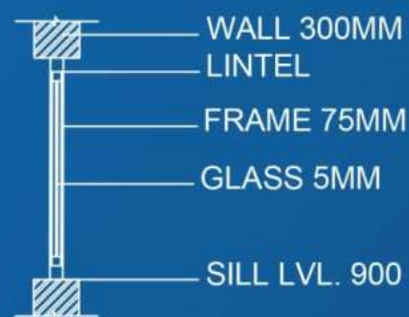


ELEVATION  
WINDOW- W1

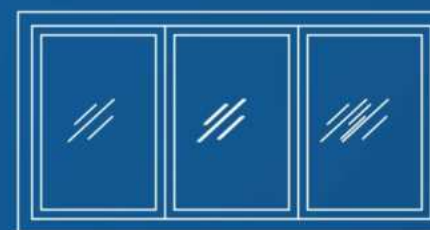


PLAN WINDOW- W1

FLUSH WINDOW  
2200X1200MM



SECTION BB'  
WINDOW- W1

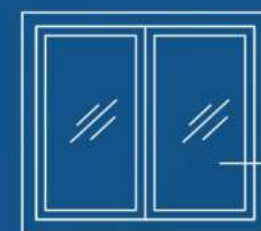


ELEVATION WINDOW- W2



PLAN WINDOW- W1

FLUSH WINDOW  
2310X1200MM



ELEVATION WINDOW- W3

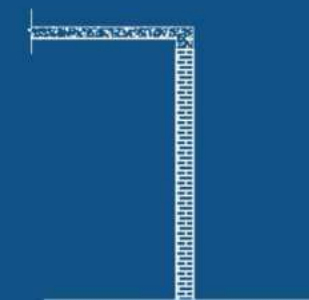


PLAN WINDOW- W3

GLASS WINDOW  
1330X1500MM

FRAME= 75MM

GLASS GLAZING



BRICK WALL  
WIDTH OF WALL= 230MM